

# Vhi-UhiDIGEST

The Official Publication of the Worldwide TV-FM DX Association

JUNE 1997



West Virginia  
Public Radio®



88.5 FM  
Charleston  
Elkins

89.9 FM  
Huntington  
Wheeling

90.9 FM  
Morgantown

88.9 FM  
Buckhannon/  
Weston  
Martinsburg

90.3 FM  
Parkersburg

91.7 FM  
Beckley

107.3 FM  
Clarksburg/  
Bridgeport



**COME TO ATLANTA FOR CONVENTION '97!**

**SEE PAGE 2 FOR DETAILS...**



# WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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## FROM THE STAFF:



*August 1-3, 1997*

## SIGN UP NOW!

**IT'S A GO!** Thanks to 1997 convention host John Broomall for pulling a rabbit out of the hat and securing an alternate convention site. Since most WTFDAers tend to procrastinate when it comes to making convention reservations, this unusually late release of details won't likely cause any problems. Team up with friends to share a room and join the festivities in a city where the "Old South" and the "New South" come together to create a warm yet vibrant setting.

### **THE SPECIFICS:**

#### **(Convention Registration)**

**\$30 (postmarked by July 1); anytime after that \$42.** Cancellations with full refund will be available through July 20. No refunds after that date. Your registration fee includes the use of a meeting room, soft drinks and snacks, and a catered banquet on Saturday evening. **Get your check in the mail NOW and save \$12!** Checks should be made payable to John O. Broomall, and mailed directly to him at WATC-TV; 1862 Enterprise Drive; Norcross, GA; 30093.

#### **(Lodging)**

Our convention headquarters will be at the LaQuinta Inn in Norcross, GA; just 12 miles from downtown Atlanta. It's on I-85 just two miles north of I-285. Our rate is an amazingly low \$49 per night (plus applicable taxes) and includes a daily continental breakfast. All rooms have two double beds, and there is a pool. **ALL PLANNING TO ATTEND ARE RESPONSIBLE FOR BOOKING THEIR OWN ROOMS, AND WE RECOMMEND THAT YOU DO IT IMMEDIATELY.** The WTFDA does not have exclusive use of this facility and it is subject to sellout prior to convention time. Reservation numbers are 1-800-531-5900 and 770-448-8686. Please request the "DX Weekend Convention Special". In the event that you have problems or questions, the manager is Ken Tallman.



### **(Events)**

The 'field trips' haven't been finalized, but options include visits to "The Weather Channel", CNN, the FCC regional office, AM-FM-TV stations, video production facilities, and much more! If you have a strong preference for any of these, please let John know at (day) 770-300-9828 or (evenings) 770-449-5371. Those arriving on Friday will have the opportunity to be guests in the studio audience for "*Atlanta Alive*" at WATC-TV. Among weekend convention activities at the LaQuinta, you'll want to check out sessions on "Computers, the Internet, and DXing"; and information on digital tv and how it relates to the future of DXing. There's even the possibility of a demonstration of amateur television. Of course, the customary informal WTFDA meeting and discussion period will follow the banquet.

### **(Meeting Room)**

This area will be open during the entire convention for you to enjoy DXing, visiting, inspection of individual DX photo collections, and DX videotape playback. You're welcome (in fact urged) to bring DX gear including antennas, receivers, and whatever else might be useful or of interest to the rest of the group.

### **(Additional Info)**

The LaQuinta Inn is easy to find...at the corner of Jimmy Carter and I-85 (exit 37). Fast-food junkies will be pleased to know that a McDonalds adjoins the inn; and chow-hounds interested in a more extensive menu selection will enjoy an equally convenient Cracker Barrel Old Country Restaurant. Of course there are many other choices just a short drive away.

### **(Other Area Attractions)**

As is the case with any big city, Atlanta offers plenty to see and do. You may want to consider side trips to Stone Mountain, Six Flags, Underground Atlanta, the site of the 1996 Olympics, or any of the numerous historic sites in the area. Rail buffs might want to ride the MARTA system. For more information check Atlanta listings on the web or contact our host.

### **(Tentative Schedule)**

- Friday: Convention officially gets underway at 4PM  
Welcome by host John Broomall and tour of WATC-TV. If you like, you're invited to stay as a studio audience guest for "Atlanta Alive".
- Saturday: Field tours - To Be Announced  
Discussion groups on DX-related topics  
Catered banquet  
Informal WTFDA meeting
- Sunday: More programs for those able to stay  
Visiting  
Good-byes  
Convention officially concludes at 3PM

*As you read this it is LESS than two months until convention time. Don't delay... mail your registration fee and phone for your room reservations NOW!*



# WTFDA Mailbox

Worldwide TV-FM DX Association  
PO Box 17333  
Asheville, NC 28816-7333

June, 1997

Edited by: Matthew C. Sittel. E-mail: 76255.2171@Compuserve.com

## June, 1997 Renewal\$ Due:

Frank Aden, Jr., David Austin, Charles R. Bernth, Dave Bright, Tim Cronin, William Eckberg, Neil Kazaross, Jeff Kruszka, Michael W. Lapinski, Alfred A. Laun III, John C. Marx, Michael O'Connell, James Paige, Edward Ritchie, Jr., Robert F. Sutherland, Stan Weisbeck, Steven C. Wiseblood, Leslie Wood.

## New members! Welcome!

Quentin R. Davis, Jeffersonville, IN  
Charles N. Kaeff, Jr., Covington, KY

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WTFDA MEMBERSHIP / CHANGE SINCE LAST MONTH: **269 / 0**  
(total as of May 12, 1997)

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\* Shel Remington, Keaau, HI

I'll eventually get my hands on a word processor, and finish going through 100+ hours of taped 2400+ mile tropo DX, and write up all the details of the fantastic California/Hawaii duct. Now have about 200 FM's logged from northern Oregon to southern Baja - the latter being likely a new (unpublished as yet) world tropo record. Haven't hit TV as hard but do have at least one 2400+ mile catch on each VHF channel via the duct. Also setting up good receiving systems - on FM I now have a stack of Probe-9's with an RDX preamp into a Pioneer Supertuner IV; for all of VHF-UHF I use a Tennadyne T31 log-periodic into an RDX preamp and an AOR scanner. All of these systems are 99% dedicated to the giant duct. TV antennas not yet added - having too much on FM, hi. Aloha, Shel

---

\* Russell Miller, N. Amity, ME

I think the club could benefit from an added feature to the VUD. What I'm thinking of is recent DX paths via tropo, plotted on accurate weather maps. Maybe six maps per page. This would help new members and old. Unfortunately I don't have the time or access to accurate maps. Maybe a former or current meteorologist could run a column such as this. Or how about someone with a computer with Internet access to accurate weather maps? Good idea? Yes? No?

(I think a special report on this would be very interesting. As a meteorologist, I must admit I've never taken the time to study this! How embarrassing! With the proliferation of the Internet, it wouldn't be too hard to locate the needed maps. Would someone like to volunteer? -- mcs)

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That's all for this month..... 73s Matt.



# TV NEWS

June 1997

Douglas E. Smith W9WI  
1385 Old Clarksville Pike  
Pleasant View, TN 37146-8098  
72777.3143@compuserve.com

\*: Non-commercial station  
nc: No Change  
+/-: Channel offsets (plus,  
z/n: minus, zero, and none)  
^: Digital TV station

## APPLICATIONS FOR NEW STATIONS

Three more Texas LPTV applications have been quashed. Two in Wichita Falls (channels 41 and 57) were returned to the applicant. The third was for channel 32 at Eagle Pass, and was dismissed.

## CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St	Ch	ERP	HAAT	Call/	City; applicant	
BC	4	0.05			McBride; Discovery Channel	
CO	47+	0.054	K47FJ		Manitou Springs	38-51-50N/104-54-48W
CO	33+	0.987	K33EW		Woodland Park; religious	38-59-12N/105-04-05W
CO	61z	0.987	K61GX		Woodland Park; KXRM-21	38-59-12N/105-04-05W
KS	36+	3467	324		Hutchinson; 3 Feathers	37-56-23N/ 97-30-42W
MI	44+	10			Mt. Pleasant	43-34-33N/ 84-46-29W
VI	27z	18.4	121		Christiansted	17-44-53N/ 64-43-40W
WI	33^	2.55	208		Milwaukee; WMVS-10	43-05-48N/ 87-54-19W
YT	6	0.01			Teslin; English/native language local stn.	

YT is the Yukon Territory of Canada. The Milwaukee operation is an experimental DTV facility, and will also use channels 34, 35, and 42. I would imagine the calls will be WMVS-HD on all four channels.

## APPLICATIONS TO CHANGE EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
BC	4	0.311	323	CBCY-TV-1	Burns Lake	54-15-25N/125-40-36W
FL	25-	5000	201	WJXX	Orange Park	
NC	61z	1054	167	WLXI-TV	Greensboro	
ND	22n	15.5		K22AK	Devils Lake	48-09-55N/ 99-13-36W
PR	48z	21.8	-18	WVOZ-TV	Ponce	

## APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	
ON	43	282		CHRO-TV-43	Ottawa	45-13-01N/ 75-33-51W
VA	34^	112		WETA-HD	Arlington	
WA	30^	350	226	KOMO-HD	Seattle	47-37-55N/122-21-09W
(also channels 43 and 47)						

## CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
AL	28z	18		WTZT-LP	Athens	
AL	59-	7.38		W59CF	Russellville (from no offset)	
AR	46+	32		KPBI-LP	Ft. Smith	
AZ	22n	1.49		KPSN-LP	Payson	34-17-23N/111-11-26W
CO	47z	0.862		K47DE/K51AI (965w)/K55CD (954w)	Haxtun	
FL	22+	58.3		W22AN	St. Augustine	29-55-05N/ 81-23-28W
IA	45+	68.8		K45CQ	Council Bluffs	
LA	62z	8.93		KLAF-LP	Opelousas	30-31-14N/ 92-03-36W
ME	33+	29.8		WBGR-LP	Bangor	
ME	21+	35.3		W21BH	Machias (TBN)	
MI	62z	5000	327	WWJ-TV	Detroit (1200KW vert)	42-26-52N/ 83-10-23W
MN	46-	1.37		K46AA	St. James	44-06-28N/ 94-35-55W
also K35DC (1.24KW), K50AB (1.42KW, from no offset to minus)						
MO	40z	15.6		K40FF	St. Louis (from K07TV, channel 7)	
ND	35+	0.998		KCUT-LP	Grand Forks	47-52-33N/ 97-02-50W
NH	18-	8.6		W18BO	Pittsburg	
NY	56-	13.7		W56DS	Buffalo (from W61CA, channel 61)	
NY	69-	11.6		W69CS	Buffalo	
NY	42+	14.94		W42BR	Elmira	42-01-55N/ 76-47-02W



## CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
NY	16+	28.5		W16AX	Ithaca	
NY	19+	21.4		W19CC	Niles	42-48-05N/ 76-26-14W
NY	38-	11.3		WAWW-LP	Rochester	
NY	63+	8.83		W63BM	Rochester	
NY	14z	47.4		WAWA-LP	Syracuse	43-03-30N/ 76-10-00W
OH	67-	16.45		WOHL-LP	Lima	40-38-03N/ 84-12-29W
OH	48+	10.84		WNGT-LP	Toledo	41-39-13N/ 83-31-49W
OK	54+	61		KXOC-LP	Okla. City	35-22-54N/ 97-29-20W
PA	26-	1.7		W26AD	Allentown/Beth.	40-34-20N/ 75-25-51W
PA	41-	5.9		W41CF	Altoona	40-33-57N/ 78-36-36W
PA	48-	10.2		W48CH	Erie (from W42BX, channel 42)	
TN	50+	7		W50CG	Knoxville (from W04CY, channel 4)	
TN	27n	8.4		WHRT-LP	Murfreesboro	35-50-26N/ 86-23-27W
TX	43-	65.07		K43FJ	Houston	29-48-16N/ 95-12-23W

## CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	
AL	38z	17.4		W38BQ	Huntsville	34-45-28N/ 86-39-44W
FL	57-	nc	135	WFXU	Live Oak	30-33-00N/ 83-00-46W
NC	64+	8.7		W64CI	Asheville	35-35-00N/ 82-32-49W
NY	59-	1.9		W59DG	Elmira	42-01-55N/ 76-47-02W
NY	47-	11.6		W47BM	Rochester (from zero offset)	
NY	58-	37.5		W58CX	Saratoga Springs	42-38-16N/ 73-59-55W
NY	23+	34.9		W23BP	Watertown (from W56DH, channel 56)	
OH	61+	34.8		W61CZ	Lima (from Van Wert)	40-38-03N/ 84-12-29W
OH	57n	76.9		W57BH	Steubenville	40-21-59N/ 80-35-22W
ON	67-	757		CHCH-TV-3	Muskoka	44-58-14N/ 79-46-58W
PA	32z	36		W32AX	Altoona	40-29-15N/ 78-21-09W
PA	25z	83.4		W25AX	Kittanning	40-48-57N/ 79-30-10W
PA	61-	5.7		W61CC	Pittsburgh	40-26-46N/ 79-57-51W
PA	69n	11.4		W69CC	Pittsburgh	40-26-46N/ 79-57-51W
PR	60z	1000	708	WMEI	Arecibo	18-10-09N/ 66-34-30W
VA	54+	80		W54BT	Roanoke	37-11-38N/ 80-09-25W

## TECHNICAL CHANGES ON THE AIR

AR	59n	K59ES	Hindsville	(moderate power increase)
AR	60n	K60EP	Paris	(major power increase; move about 1km north; city from Magazine Mtn.)
AR	15-	K15DR	Springdale	(moderate power increase)
AR	63-	K63EG	Winslow	(major power increase)
FL	23-	WLTV	Miami	(move 2km NW, major power increase & moderate tower height decrease)
FL	39z	WDZL	Miami	(move 3km SW; moderate power and tower height increases)
FL	22+	W22CB	Panama C.	(from W46AN, channel 46)
IL	28-	WOCH-LP	Chicago	(move from channel 4, 12km ESE from 4949 W. Belmont to the Hancock Center)
MO	48z	K48FS	Kansas City	(from channel 29, bumped by KCWB)
OH	53-	W53AX	Cleveland	(move 35km WSW, minor power decrease)
TX	41+	KWEX-TV	San Antonio	(move 26km ESE, major power increase and huge tower height increase)

## NEW STATIONS ON THE AIR

Call:	Ch:	Location:	Power & HAAT:	Coordinates:
K69HN	69z	Siloam Springs, AR	16.7KW	36-09-06N/ 94-30-56W
KDEN	25z	Longmont, CO	5000KW/325m	40-05-47N/104-54-04W
W39BZ	39+	Lake City, FL	1KW	30-07-44N/ 82-52-49W
K66FI	66-	Opelousas, LA (TBN)	15KW	30-36-41N/ 92-08-22W
WLWC	28-	New Bedford, MA (WB)	5000KW/229m	41-46-39N/ 70-55-41W
W66CL	66+	Bangor, ME	1.16KW	44-45-36N/ 68-33-59W
W29BJ	29+	Burlington, NY	10.7KW	42-42-50N/ 75-08-45W
W27BO	27z	Pomeroy, OH	5.69KW	39-02-09N/ 82-01-26W
W32BJ	32+	Beaufort, SC	16.6KW	32-24-05N/ 80-44-21W
K59FX	59z	Albany, TX	14.7KW	32-42-39N/ 99-25-17W
KPCB	17-	Snyder, TX	468KW/135m	32-46-52N/100-53-52W
W62CN	62+	Hampton, VA	20KW	36-51-19N/ 76-18-10W



## NEW STATIONS ON THE AIR

Reports on the Internet suggest XHTJB-3 Tijuana will be on the air by the time you read this. They also suggest it'll relay XEIPN-11 instead of XHGC-5. If true, this would be the first XEIPN transmitter outside Mexico City. This should be a prominent skip target for Western DXers.

## STATIONS DELETED/DISMISSED/ETC.

St City	Call	What happened
CA Redding	K26CO	Extension of CP denied.
UT Panguitch	K16DY	CP cancelled.

## CALL CHANGES

Was:	Location:	Now:	Was:	Location:	Now:
WCFT-33	Tuscaloosa, AL	WBMA-33	New-11	Pendleton, OR	KAUP-11
new-3	Tijuana, BN	XHTJB-3	WPCB-40	Greensburg, PA	?-40
K36EL	Bakersfield, CA	KBFK-LP	WQEX-16	Pittsburgh, PA	WPCB-16
KCEC-LP (27)	Pueblo, CO	KGHB-LP	WSJU-18	San Juan, PR	WTCV-18
W04CX	Fort Pierce, FL	WOCX-LP	WBNU-36	Charlestown, SC	WMMP-36
K17DX	Natchitoches, LA	KNTS-LP	New-36	Sioux Falls, SD	KAUN-36
New-19	Santa Fe, NM	KAUO-19	K42DU	Lufkin, TX	KLNM-LP
W17BM	New York, NY	WEBR-LP	K48DP	Tyler, TX	KTPN-LP

The Alabama change might actually apply to WJSU-40 Anniston, which simulcasts channel 33. These are the stations that made the news for refusing to carry the "coming out" episode of "Ellen". The news releases gave these calls, but didn't say which channel they applied to. The FCC database still says WCFT and WJSU.

## PROGRAMMING CHANGES

K69HN	Siloam Springs, AR:	new, KPBI-LP-46 (Fox) translator
XHTJB-3	Tijuana, BN:	to relay XEIPN-11 instead of XHGC-5?
K31DN	California City, CA:	to Kaleidoscope
KVYE-7	El Centro, CA:	to be Univision when built
KRAG-61	Porterville, CA:	to Intv/Worship
K36DB	Sweetwater Creek, CO:	from KCNC-4 to "Vacation Channel"
W21AU	Orlando, FL:	sold to Hispanic company
WBSV-62	Venice, FL:	to Global home shopping
K22CQ	Monroe, LA:	from The Box to religion
K66FI	Opelousas, LA:	new, TBN
WBSX-31	Ann Arbor, MI:	from Home Shopping Net to Intv
WMKG-40	Muskegon, MI:	to FamilyNet
KVBM-45	Minneapolis, MN:	These two MN stations have merged ownership.
KXLT-47	Rochester, MN:	
K02NQ	Columbia, MO:	sold to KMIZ-17 (ABC/Fox)
K11TB	Jefferson City, MO:	sold to KMIZ-17 (ABC/Fox)
K28FB	Bozeman, MT:	to KQYB-18 (ABC) translator
K52FF	Reno, NV:	new, Telemundo
K04OS	Reedsport, OR:	new, KEZI-9 (ABC) translator
WPCB-40	Greensburg, PA:	to Intv (see Call Changes)
WQEX-16	Pittsburgh, PA:	to Cornerstone religious
WSWB-64	Scranton, PA:	to be Intv when built
W32BJ	Beaufort, SC:	new, WUBI-34 (UPN) translator
WMMP-36	Charleston, SC:	from WB to UPN
WPMC-54	Jellico, TN:	to Global home shopping
K59FX	Albany, TX:	new, KIDY-6 (Fox) translator
KNWS-51	Katy, TX:	to Global home shopping
new-55	Lake Dallas, TX:	to Global home shopping
KHCE-23	San Antonio, TX:	to TBN
KPCB-17	Snyder, TX:	new, TBN
WVVI-66	Manassas, VA:	from Valuevision to Intv/Worship
WSHE-60	Martinsburg, WV:	from Intv/Worship to ?? (sold to "DP Media")

See Forum for more information on channel 55 in Lake Dallas. In the Pittsburgh area, WPCB-40 is moving to channel 16. It will then sell its channel 40 facility to Paxson (Intv) for \$35million, and turn over half that money to WQEX's former owners. (who will still run WQED-13)

## OTHER STUFF

I'm introducing a new symbol in this column this month. The caret (^) symbol indicates a digital TV station. Since DTV stations have no offset, this symbol will appear where the offset would go.



## OTHER STUFF

The Canadian trade magazine *BT* indicates new CIVT-42 Vancouver has also been granted a rebroadcaster in Victoria. I've seen nothing on this, and the CRTC database is no longer available on the Internet (at least not where I last found it) so can't look it up there. CIVT itself is expected on the air in September. In Quebec, the switch of CKMI-5 to Global (and the signon of its transmitters on channel 67 at Montreal and channel 11 at Sherbrooke) is also scheduled for September 1. This would imply a new station (relaying CBMT-6) would sign on in Québec City at the same time. I haven't seen a channel or power for that operation though. Finally, the new "A-Channel" stations in Alberta also expect to sign on in September. These are channels 2, 5, 20, and 51; maybe someone will see one on late-season skip?

The U.S. and Mexico have signed a "memorandum of understanding" on the subject of digital TV. The two countries plan to assign a second channel for all existing TV allotments. (this has already been done on the U.S. side; it will now also be done in Mexico.) This agreement also establishes distance separations for DTV allotments, and establishes a 275km zone on either side of the border where DTV allotments are subject to international consultations. The FCC is now concentrating on concluding a similar agreement with Canada.

I've had to condense the type & drop some of the LPTV information this month – the column was just getting too big! The FCC has deleted the NTSC Table of Allocations to allow for DTV; it looks like they don't plan on issuing any more construction permits for new NTSC stations. However, they were supposed to begin accepting DTV applications on May 1. So far, I haven't seen any, but I expect them by the end of the summer. Not only will the DTV applications themselves appear in the Public Notices (and this column), but so will many modifications to NTSC facilities triggered by DTV. As many as half of all existing stations will have to move their NTSC transmitting antenna on their existing tower, replace it with a shorter antenna (which will change both their ERP and HAAT), or in situations where they're leasing tower space from another station, they'll often have to move to a totally new tower.

## FORUM

John Lentz, Muskego WI:

Neil Kazaross, suburban Chicago IL:

Bill Draeb, Kewaunee WI:

All three of these members have seen WOCH-LP Chicago on its new channel. With 47KW at 357m HAAT, (on the John Hancock Center) this station has as much coverage as many full-license stations. John says he's seeing it with The Box music videos parallel to WMKE-LP channel 8 in Milwaukee. Bill has seen The Box, and also a blank screen with ID supered. And Neil is seeing ethnic programming - mostly in Korean - in the evenings. This station should be a good target for lake tropo.

John Lentz also had a few comments about digital. He writes, "I think once the changeover is complete, thus so it ends TV DX'ing. I believe there is also a plan to change FM over to digital. Once that's over, thus also ends the FM DX hobby and will probably end the WTFDA club as well since there will no longer be TV and FM DX." John wrote before the "DTV Q&A" appeared in the *VUD*; I'm hoping I've changed his mind! Seriously, I hear a lot of DXers expressing doomsday sentiments about digital being the end of DX. I believe digital will no more end VHF/UHF DX than the elimination of the 250-watt minimum for night operation of AM stations eliminated AM DX. Digital DX will be different, and in some ways more difficult, but it'll be there, and in some ways it'll actually be easier.

Chip Kelley, Dallas TX:

"Global Shopping, in its buying spree to start another shopping network, is buying news KNWS-51 Katy/Houston. Apparently, the actual switch date will be in June. KNWS has let go all its news anchors and is dropping all the local news in favor of just using ANC and Bloomberg's feeds until the change occurs." Chip also says the owners who are selling KNWS are the same people behind the new licensee of channel 55 at Lake Dallas. KLDT has, in fact, lost its license renewal, but the license doesn't expire until August. It's still on the air with Shop-At-Home. According to Chip, the original plan was to have the Dallas station also be an all-news operation, sharing programming with KNWS. However, the Houston operation wasn't profitable, and infomercials were being folded into the programming mix.

Neither Chip nor myself know why KLDT was "un-renewed". When it was controlled by a well-known national preacher, the minister's staff was caught discarding unopened mailed prayer requests. However, I don't think that's grounds for non-renewal of a broadcast license. Chip says there was some question about the true ownership of the station, whether it was truly controlled by the woman whose name appeared on the license, or by her son. That's a more likely ground for non-renewal. At this time, the new station still hasn't acquired the old KLDT facilities; their CP still calls for construction of a totally new station.



### Robert Grant, Detroit MI:

Construction hasn't yet started on WWJ-62's plans for new studio facilities or the new transmitter. (Robert, the answer to your question about WWJ is above under "changes granted". The coordinates given aren't the same as WWJ-AM, but they're very close and definitely on the same premises.) Robert believes the station is still being operated by remote control from NYC by satellite!

The slow upgrade has spurred a variety of rumors about CBS's future in the market. One suggested CBS would buy WKBD-50, which already has a news department and a larger tower. Another suggested the network would purchase Post-Newsweek's stations including WDIV-4. The most exotic rumor was that CBS would trade WCBS-2 to Post-Newsweek for WDIV, then have Post-Newsweek sign a 10-year CBS affiliation contract for WCBS! Robert doesn't believe there's anything to the latter rumor, and I fully agree! To be honest, I don't think there's much to the other two either.

When WGPR-62 became WWJ-62, the ethnic programming it used to carry was supposed to end up on Dearborn LPTV W68CH. Robert isn't seeing even a carrier on this channel, and asks "I assume the CP has been cancelled (has it?)". Yes, the CP was cancelled on March 12 of last year, but a petition for reconsideration was filed last April 10. The FCC still hasn't acted on that petition, so W68CH is not yet dead.

Going down to Florida, he comments on "fake channel" IDs in the Fort Myers market. You've probably read about WZVN-26, which calls itself channel 7 in all logos and IDs. Robert says WBBH-20 there is doing the same thing. Their cable channel is 2, and their IDs use a "2" logo in a red square, with the NBC peacock.

### Roy Barstow, Teaticket MA:

Roy has some info on a number of stations in his area.. Starting on WOST-69; Roy called the station. He was told the station is currently operating only four hours a day (just enough to keep its license) -- apparently the owners don't even care which four hours. A sale to - you guessed it - INtv is being discussed. On to WLWC-28; Roy has been unable to find any telephone listing for this station. However, while testing the week prior to its regular-schedule signon (April 7), Roy noticed many different test patterns -- including color bars with a WJAR-10 ID. Their newscast (wow; not many WB affiliates have local news!) is promoted on WJAR, and the monitors on the set show WJAR programming. I have read that WLWC is operated by LMA to someone, and now I think we know who! Finally in the new-stations department, WHCT-18 is operating "bankers hours", 9am-5pm only, with Worship. This station's license is still in dispute at the FCC, with claims that a fraudulent claim of minority control was made to save it from a license challenge years ago.

Now for the "it doesn't have a license" department.. Roy is still seeing the station from Elizabeth City State University (North Carolina) on channel 18. The station airs scrolling text of university information, with audio from WRVS-FM 89.9. It IDs about every 10' minutes as W18BB, and Roy sent a photo of ID color bars showing those calls. Problem is, W18BB is no longer in the FCC Database! It does appear in the 1995 TV *Factbook*, but it hasn't been in the database since the first of the year. It should be said, that the FCC has been known to "lose" stations before - stations that actually held valid licenses have simply disappeared from the database. As the *Factbook* says W18BB began operation in 1993, its license can't have expired, so either it never applied for an operating license or the FCC indeed "lost" this station.

Another mystery is a "WPEN" on channel 24. There is a WPEN-LP on channel 68 in Hampton, VA. (formerly W68BI, Driver) Roy called WPEN (757-722-9736) and was told they operate channel 68, a channel 51 (W51BH Gloucester), and a channel 62. (W62CN Virginia Beach) They know nothing about channel 24. (nor did the person he spoke with know about the application WPEN-LP's owner has filed for a new station on channel 21 at Virginia Beach. However, she did tell Roy they're taking over WJCB-49 Norfolk. This station has an application for a substantial power increase, and they told Roy they expect it to be on the air by November. There are an awful lot of applications for channel 21, and I guess WPEN figured they didn't stand much of a chance<grin>.)

I speculate this is another case of "phantom translators", much like Roy's reception of WTVD-11 on channel 37 last year. Translators exist at two sites in eastern Virginia, repeating the four major Norfolk stations. One of these translators, W52AB Craddockville, translates WHRO-15 onto channel 52. A second translator, W25AA Onancock, translates WHRO-15 onto channel 25. My speculation is that W25AA doesn't actually receive WHRO-15 directly, but rather on channel 52 from W52AB. If this were the case, then a strong channel 51 signal (for example, from W51BH, which is really quite close to Onancock) could also be translated the next channel down - and come out on channel 24. If this is in fact the case, one should also expect the other three Onancock translators to be capable of phantoming. W25AA could translate channel 51 and 53 signals to channels 24 and 26 respectively; W41AC could translate channels 62 and 64 to channels 40 and 42; W44AD could translate 57 and 59 to 43 and 45; and W60AL could translate 67 and 69 to 59 and 61. Yes, this could be very confusing! Just because a translator is listed as carrying a particular station doesn't mean you won't catch it translating something else, possibly even on the wrong channel!



# DTV Q&A & CHANNEL LIST

Doug Smith, TV News editor

Karl Zuk of suburban New York had a few comments about DTV Q&A as it appeared in the May *VUD*. Karl has first-hand experience with DTV as an engineer with CBS, operators of WCBS-HD channel 33. Addressing some of the specific questions, and quoting Karl:

"What do you see with an analog TV? You have to have sharp eyes and a old analog tuner. The DTV signal looks like a just above noise level slightly different pattern of snow. The center frequency is actually the center of the channel, so if you have a digitally tuned TV, you won't be able to see anything."

I totally forgot about that! Modern digitally-tuned TVs lock on to the visual carrier of the station. DTV stations don't have visual carriers. Another reason to avoid those blue-screen muting receivers!

"I really doubt the first DTV tuners will have a frame store to capture the last good frame. That kind of technology is still reserved for devices like broadcast quality frame synchronizers."

Karl may well be right about the first DTV receivers. However, I'll be surprised if they wait very long before introducing frame stores. The cost of digital memory chips has plummeted lately. And I'm seeing a growing number of low-cost consumer devices containing at least crude frame stores. The "Snappy" modules sold for capturing TV pictures into a PC are a good example. It's not high-definition, but it's not bad either!

"Noise, like lightning, will definitely interrupt the signal. You'll see it go to black if it's over a certain duration dependent on the redundancy of the data."

True, but probably at a considerably higher strength than is necessary to generate annoying speckles in an analog picture. And until the noise becomes strong enough to cause the picture to go black, you won't see it at all.

The DTV allocation table has now been released. It's too long to print in one part. It'll appear in installments over the next few months. Each new channel listed in this table is assigned for the exclusive use of the station listed. However, two stations may voluntarily swap assignments as long as short-spacing regulations aren't violated.

Channels 2-46 or 7-51 are "core spectrum". Judging from some of the allocations in this table, I would say the FCC is probably going to choose the first option. Stations operating outside this "core spectrum" will have to change channel again when the conversion to DTV is complete in the year 2006.

To create this table, the FCC deleted all unused assignments in the old Table of Allocations. In fact, the old Table is now completely gone and useful only as a piece of history. It appears that most of the new-station applications filed early this year were also ignored in creating this table; those applications don't appear here. The FCC does appear to have assigned a DTV channel for every NTSC channel assigned in Alaska and Hawaii, whether that channel is in use (or even applied for) or not.

Anyway, here goes:

## DTV Channel 2:

Sitka Ak	KTNL	13
Gd. Jctn. Co	KREX	5
Tallahs. Fl	WTWC	40
Kalamazoo Mi	WWMT	3
Butte Mt	KTVM	6
Las Vegas Nv	KVCB	3
Elmira Ny	WETM	18
Cleveland Oh	WKYC	3

## DTV Channel 3:

Bethel Ak	KYUK	4
Key West Fl	WEYS	22
Chicago Il	WBBM	2
Roanoke Va	WBRA	15

## DTV Channel 4:

Ft. Wayne In	WANE	15
Danville Ky	WDKY	56
Portland Me	WPXT	51
Albany Ny	WXAX	23
Bnghmtn. Ny	WMGC	34
Pendleton Or	<Cp>	11
Hrsbg. Pa	WHP	21

## DTV Channel 5:

Hartford Ct	WTIC	61
Ensign Ks	KBSD	6
Kalamazoo Mi	WGVK	52
Toledo Oh	WLMB	40
La Grande Or	KTVR	13
Conroe Tx	KTFH	49

Christiansted Vi	
New	27

## DTV Channel 6:

Juneau Ak	KTOO	3
New Haven Ct	WBNE	59
Wash. Dc	WTTG	5

## DTV Channel 7:

Fresno Ca	KAIL	53
Gd. Jctn. Co	KJCT	8
Tampa Fl	WFLA	8
Cochran Ga	WDCO	29
Lihue Hi		21
Beattyvl Ky	WLJC	65
Gd. Rpds. Mi	WOOD	8
Las Vegas Nv	KLAS	8
Bnghmtn. Ny	WBNG	12
Sioux Fls Sd	KTTW	17
Lander Wy	KGWL	5

## DTV Channel 8:

Ketchikan Ak		9
L. A. Ca	KABC	7
Miami Fl	WSVN	7
Hilo Hi	KGMD	9
Honolulu Hi	KGMB	9
Louisvl. Ky	WBNA	21
Newton Nj	WMBC	63
Gallup Nm	KOFT	3
Elko Nv	KENV	10
Bnghmtn. Ny	WICZ	40

Cheyenne Ok	KWET	12
Columbia Sc	WRLK	25
Milwaukee Wi	WMVS	10
Lander Wy	KWCW	4

## DTV Channel 9:

Dlghm. Ak		2
Mobile Al	WALA	10
Fresno Ca	KFSN	30
Miami Fl	WPLG	10
Id. Fls. Id	KIFI	8
Ipls. In	WISH	8
Hazleton Pa	WWLF	56
Greenvl. Sc	WNTV	29
Amarillo Tx	KFDA	10
Dallas Tx	WFAA	8
St. George Ut		
	KUSG	12
Rawlins Wy	KFNR	11

## DTV Channel 10:

Bkrsfld. Ca	KERO	23
Co Sprs. Co	KKTV	11
Steamboat Springs Co		
	KSBS	24
New Haven Ct	WTNH	8
Orange Pk Fl	WJXX	25
Atlanta Ga	WXIA	11
Caldwell Id	KNIN	9
La Salle Il	WWTO	35
Greenvl. Nc	WNCT	9
Santa Fe Nm	KCHF	11



**DTV Channel 10:**

Cincin. Oh WCPO 9  
Shaker Heights Oh WOIO 19  
Nashville Tn WSMV 4  
Snyder Tx KPCB 17

**DTV Channel 11:**

Juneau Ak KJUD 8  
Eureka Ca KEET 13  
Hartford Ct WFSB 3  
Daytona Beach Fl WESH 2  
Lafayette In WLF1 18  
New OrL. La WYES 12  
Gd Rapids Mi WGVU 35  
Billings Mt KULR 8  
Las Vegas Nv KLVX 10  
Columbus Oh WBNS 10  
Bend Or KOAB 3  
Wilkes-Barre Pa WBRE 28  
S Angelo Tx KLST 8  
Madison Wi WMSN 47  
Cheyenne Wy KKTU 33

**DTV Channel 12:**

Little Rock Ar KTHV 11  
San Jose Ca KNTV 11  
Waterbury Ct WTXN 20  
Key West Fl WWFD 8  
Tampa Fl WTVT 13  
Lihue Hi 8  
Angola In WINM 63  
Hazard Ky WYMT 57  
Jefferson City Mo KRCG 13  
Mccook Ne KSNK 8  
Silver C Nm KOVT 10  
Winnemucca Nv KWNV 7  
Mansfield Oh WMFD 68  
Coll. Stn Tx KAMU 15  
Martinsburg Wv WSHE 60

**DTV Channel 13:**

Ketchikan Ak 4  
Salinas Ca KCBA 35  
Montrose Co KREY 10  
Jaxnvl. Fl WTLV 12  
W Plm Bch Fl WPEC 12  
Alpena Mi WBKJ 11  
Miles C Mt KYUS 3  
Columbus Oh WSYX 6  
Scranton Pa WYOU 22  
Prov. Ri WPRI 12  
Weslaco Tx KRGV 5

**DTV Channel 14:**

Florence Al WOWL 15  
Montgmy. Al WAIQ 26  
Hot Sprs. Ar KVTH 26  
Phoenix Az KNXV 15  
Fresno Ca KJEO 47  
Redding Ca KRCR 7  
Gd. Jctn. Co KKCO 11  
Orlando Fl WZKY 27  
Ottumwa Ia KYOU 15  
Bloomington In WTIU 30  
Goodland Ks KBSL 10  
Somerset Ky WKSO 29  
N. OrL. La WHNO 20  
Bangor Me WVII 7  
Cheboygan Mi WTOM 4  
Detroit Mi WKBD 50  
Alex. Mn KSAX 42  
Kansas C. Mo KMBC 9  
St. Louis Mo KNLC 24  
Helena Mt KTVH 12  
Burl. Nc WAAP 16  
Jamestown Nd KJRR 7  
Williston Nd KKMD 11  
Hastings Ne KHNE 29  
Buffalo Ny WUTV 29  
N. Pole Ny WPTZ 5  
Columbus Oh WCMH 4

Bartlesvl Ok KDOR 17  
Eugene Or KEZI 9  
Anderson Sc WFBC 40  
Reliance Sd KPLO 6  
Dallas Tx KERA 13  
Laredo Tx KVTU 13  
Cedar C. Ut KSGI 4  
Charlottesville Va WHTJ 41  
Norfolk Va WJCB 49  
Kennewick Wa KVEW 42  
Tacoma Wa KTBW 20  
La Crosse Wi WKOW 19  
Bluefield Wv WLF1 40  
Jackson Wy KJVI 2

**DTV Channel 15:**

Fayetteville Ar KHOG 29  
Ceres Ca KBSV 23  
Ft. Bragg Ca KFWU 8  
San Luis Obispo Ca KSBY 6  
Boulder Co KTVJ 14  
Gd. Jctn. Co <Cp> 4  
Ft. Myers Fl WBBH 20  
Columbus Ga WRBL 3  
Savannah Ga WTOG 11  
Jaxnvl. Il WSEC 14  
Colby Ks KLBV 4  
Morehead Ky WKMR 38  
N. OrL. La WGNO 26  
Calais Me WMED 13  
Bad Axe Mi WUCX 35  
Worthingtn Mn KSMN 20  
Sedalia Mo KMOS 6  
Butte Mt KXLF 4  
Glendive Mt KXGN 5  
Rocky Mt Nc WRMY 47  
Minot Nd KMCY 14  
Pembina Nd KNRR 12  
Bassett Ne KMNE 7  
Berlin Nh WEDB 40  
Frmngtn Nm KOBF 12  
Reno Nv KNPB 5  
Albany Ny WNYT 13  
Cleveland Oh WEWS 5  
Okla. C. Ok KTBO 14  
Medford Or KOBI 5  
Clearfld Pa WPSX 3  
Rock Hill Sc WNSC 30  
Lowry Sd KQSD 11  
Nashville Tn WZTV 17  
Amarillo Tx KCIT 14  
El Paso Tx KFOX 14  
Laredo Tx KGNS 8  
Odessa Tx KWES 9  
Texarkana Tx KTAL 6  
Victoria Tx KAVU 25  
Arlington Va WTMW 14  
E Claire Wi WQOW 18  
Casper Wy KGWC 14

**DTV Channel 16:**

Montgmy. Al Wcov 20  
Yuma Az Kswt 13  
Eureka Ca Kiem 3  
Fresno Ca Ksee 24  
Denver Co Kusa 9  
Gd. Jctn. Co Krmj 18  
Gainesvl. Fl Wcjb 20  
Tequesta Fl Wpbj 25  
Dalton Ga Welf 23  
Macon Ga Wgxa 24  
Wailuku Hi Kogg 15  
D Moines Ia Kdsv 17  
Twin Fls Id Kmtv 11  
Rockford Il Wtvo 17  
Ipls. In Whmb 40  
Hays Ks Kood 9  
Bowling Green Ky Wknt 40  
Hazard Ky Wkha 35  
Lafayette La Kadn 15  
Hagerstn Md Wjal 68  
Presque I Me Wagm 8  
Flint Mi Wsmh 66  
St. Paul Mn Ktci 17  
West Pt Ms Wlov 27

Bozeman Mt Kctz 7  
Bismarck Nd Kbmj 17  
Norfolk Ne Kxne 19  
N Platte Ne Kpne 9  
Albu. Nm Kqrz 13  
Las Vegas Nv Kinc 15  
Rochester Ny Wxxi 21  
Okla. C. Ok Koco 5  
Erie Pa Wsee 35  
Florence Sc Wpde 15  
Rapid C. Sd Kclo 15  
El Paso Tx Kdbc 4  
S. Angelo Tx Kacb 3

**DTV Channel 16:**

San Antonio Tx Khce 23  
Norfolk Va Whro 15  
Burl. Vt Wvny 22  
Yakima Wa Kndo 23  
Rhinelande Wi Wjfw 12  
Riverton Wy Kfne 10

**DTV Channel 17:**

Ft. Smith Ar KPOM 24  
Phoenix Az KPHO 5  
Eureka Ca KVIQ 6  
Denver Co KMGH 7  
Durango Co KREZ 6  
Clermont Fl WKCF 18  
Pensacola Fl WEAR 3  
Albany Ga WALB 10  
Pocatello Id KISU 10  
Marion Il WTCT 27  
Gary In WYIN 56  
Garden C. Ks KSGN 11  
Salina Ks KAAS 18  
Louisvl. Ky WKPC 15  
Shrevept. La KSLA 12  
Augusta Me WCBW 10  
Manistee Mi WCMW 21  
Duluth Mn KNLD 21  
Greenvl. Ms WXVT 15  
Billings Mt KTVQ 2  
Merriman Ne KRNE 12  
Omaha Ne KYNE 26  
Albu. Nm KAZQ 32  
Hobbs Nm KHFT 29  
Las Vegas Nv KTNV 13  
Syracuse Ny WIXT 9  
Ptsmouth Oh WUXA 30  
Toledo Oh WTOG 11  
Eugene Or KMTR 16  
Aguadilla Pr WVEO 44  
Block Is Ri WOST 69  
Columbia Sc WLTX 19  
Aberdeen Sd KDSD 16  
Knoxville Tn WKOP 15  
El Paso Tx KVIA 7  
Kerrville Tx KRRT 35  
Wich. Fls Tx KJTL 18  
Provo Ut KZAR 16  
Roanoke Va WFXR 27  
Pullman Wa KWSU 10  
Eagle R. Wi WYOW 34  
La Crosse Wi WLAX 25  
Casper Wy Ktwo 2

**DTV Channel 18:**

Anchorage Ak Ktuu 2  
Fairbanks Ak Katn 2  
Bessemer Al Wdbb 17  
Mobile Al WeiQ 42  
Ft. Smith Ar Kfsm 5  
Flagstaff Az Kzjc 4  
Modesto Ca Kcso 19  
Redding Ca Kixe 9  
San Diego Ca Kusi 51  
Denver Co Krma 6  
Miami Fl Wlrn 17  
Waycross Ga Wxga 8  
Hilo Hi Khvo 13  
Honolulu Hi Khet 11  
Mason C. Ia Kyin 24  
Filer Id Kogh 19  
Decatur Il Wand 17  
Garden C. Ks Kupk 13



**DTV Channel 18:**

Bowling Green Ky		
Wkyu	24	
Lawrence Ma	Wmfp	62
Calumet Mi	Wbkc	5
Univ Ctr Mi	Wucm	19
Bemidji Mn	Kawe	9
Kansas C. Mo	Kcpt	19
Poplar Bluff Mo		
Kpob	15	
Bude Ms	Wmau	17
Billings Mt	Ksvi	6
Dickinson Nd	Kqcd	7
Hayes Ctr Ne	Kwnb	6
New Brunswick Nj		
Wnjb	58	
Spfld. Oh	Wtjc	26
Enid Ok	Kafu	20
Bend Or	Ktvz	21
Roseburg Or	Kroz	36
Greenwood Sc	Wneh	38
Myrtl Bch Sc	Wfxb	43
Brookings Sd	Kesd	8
Rapid C. Sd	Kevn	7
C Christi Tx	Kztv	10
Eagle Pass Tx		
Kvaw	16	
El Paso Tx	Ktsm	9
Ft. Worth Tx	Ktxa	21
Nacogdoches Tx		
Klsb	19	
Roanoke Va	Wdbj	7
St. Johnsbury Vt		
Wvtb	20	
Tacoma Wa	Kcpq	13
Casper Wy	Kfnb	20

**DTV Channel 19:**

Demopolis Al	Wliq	41
Kingman Az	Kmoh	6
Tucson Az	Kttu	18
San Diego Ca	Kswb	69
San Fran. Ca	Kofy	20
Sta Maria Ca	Kcoy	12
Denver Co	Ktvd	20
Jaxnvl. Fl	Wtev	47
Lakeland Fl	Wwvb	32
Miami Fl	Wpbt	2
Panama C. Fl	Wmbb	13
Atlanta Ga	Wgnx	46
Hilo Hi		4
Honolulu Hi	Kiku	20
D Moines Ia	Who	13
Chicago Il	Wgn	9
Olney Il	Wusi	16
Ft. Wayne In	Wkjc	33
Hutch. Ks	Kwch	12
Campbellsville Ky		
Wgrb	34	
Monroe La	Kltm	13
Boston Ma	Wgbh	2
Bangor Me	Wabi	5
Gd. Rpdz Mi	Wxmi	17
Spfld. Mo	Kspp	33
Butte Mt	Kwyb	18
Hardin Mt	Khmt	4
Lexington Nc	Wbfx	20
Dickinson Nd	Kkma	2
Fargo Nd	Kvrr	15
Gd. Isl. Ne	Ktvrg	17
Scottsbluff Ne		
Kduh	4	
Carlsbad Nm	Koct	6
Syracuse Ny	Wsyf	68
Toledo Oh	Wtvj	13
Roseburg Or	Kpic	4
Ponce Pr	Wkpv	20
Pierre Sd	Kprr	4
Amarillo Tx	Kamr	4
Ft. Worth Tx	Ktvn	11
Houston Tx	Ktxh	20
Laredo Tx	Kldo	27
S. Angelo Tx	Kidy	6
Portsmouth Va		
Wgnt	27	
Staunton Va	Wupt	51
Bellingham Wa	Khcb	24
Centralia Wa	Kcka	15
Madison Wi	Wmtv	15

Manitowoc Wi	Wthx	16
Superior Wi	Kbjr	6
Charlestrn Wv	Wvah	11
Rock Sprs. Wy		
Kgwr	13	

**DTV Channel 20:**

Anchorage Ak	KTBY	4
N. Pole Ak	KJNP	4
Florence Al	WYLE	26
Mobile Al	WMPV	21
Jonesboro Ar	KTEJ	19
Phoenix Az	KPAZ	21
Hanford Ca	KFTV	21
Paradise Ca	KCVU	30
Melbourne Fl	WBSF	43
Miami Fl	WDZL	39
Atlanta Ga	WTBS	17
Pelham Ga	WABW	14
Walluku Hi	KWHM	21
Hays Ks	KBSH	7
Lexington Ky	WLEX	18
Madisonville Ky		
WLCN	19	
L Charles La	KLTL	18
Boston Ma	WCVB	5
Presque Isle Me		
WMEM	10	
Battle Ck Mi	WOTV	41
Austin Mn	KSMQ	15
Walker Mn	KCCW	12
Jefferson City Mo		
KNLJ	25	
Jackson Ms	WMPN	29
Bozeman Mt	KUSM	9
Columbia Nc	WUND	2
Dickinson Nd	KDSE	9
Ellendale Nd	KJRE	19
Omaha Ne	KETV	7
Clovis Nm	KVIH	12
Las Vegas Nv	KUPN	21
Lima Oh	WLIO	35
Youngstn Oh	WFMJ	21
Salem Or	KBSP	22
Florence Sc	WWMB	21
Martin Sd	KZSD	8
R Gde C. Tx	KAIQ	40
San Antonio Tx		
KLRN	9	
Sherman Tx	KXII	12
Sweetwtr Tx	KTXS	12
Waco Tx	KCTF	34
Lynchburg Va	WJPR	21
Christiansted Vi		
WSVI	8	
Pasco Wa	KEPR	19
Madison Wi	WHA	21

**DTV Channel 21:**

Dothan Al	WDHN	18
Ft. Smith Ar	KHBS	40
Sacto. Ca	KFWB	31
Fort Collins Co		
KFCT	22	
Clearwtr Fl	WCLF	22
Miami Fl	WCTD	35
Atlanta Ga	WPBA	30
Hilo Hi	KHAW	11
Boise Id	KAID	4
Chicago Il	WYCC	20
Macomb Il	WMCE	22
Mt Vernon Il	WCEE	13
Ipls. In	WPYI	20
Wichita Ks	KAKE	10
Morehead Ky	<Cp>	67
Salisbury Md	WBOC	16
Detroit Mi	WXON	20
Mpls. Mn	WFTC	29
St Joseph Mo	KTAJ	16
Jackson Ms	WAPT	16
Charlotte Nc	WCCB	18
Greenvl. Nc	WYDO	14
Fargo Nd	WDAY	6
Hastings Ne	KHAS	5
Albu. Nm	KOAT	7
Kingston Ny	WRNN	62
Watertown Ny	WWTI	50
Coos Bay Or	KCBY	11
San Juan Pr	WSJN	24

Prov. Ri	WSBE	36
Pierre Sd	KTSD	10
Nashville Tn	WUXP	30
Amarillo Tx	KACV	2
Austin Tx	KXAN	36
Beaumont Tx	KFDM	6
Front Royal Va		
WVPY	42	
Yakima Wa	KYVE	47
Suring Wi	WSCO	14
Sheridan Wy	KSGW	12

**DTV Channel 22:**

Anchorage Ak	KYES	5
Fairbanks Ak	KFXF	7
Florence Al	WFIQ	36
Little Rock Ar		
KATV	7	
Flagstaff Az	KNAZ	2
Arcata Ca	KAEF	23
El Centro Ca	KLXO	7
Co Sprs Co	KXRM	21
Miami Fl	WFOR	4
Orlando Fl	WOFL	35
Tallahs. Fl	WTXL	27
Athens Ga	WGTW	8
Hilo Hi	KHBC	2
Honolulu Hi	KHON	2
Nampa Id	KIVI	6
Decatur Il	WFHL	23
Gt Bend Ks	KSNC	2
Baton Rouge La		
WLPB	27	
New Bedford Ma		
WLWC	28	
Orono Me	WMEM	12
Bay C. Mi	WNEM	5
Iron Mtn. Mi	WDHS	8
Mpls. Mn	KLGT	23
Cape Girardeau Mo		
KBSI	23	
Columbia Mo	KMIZ	17
Charlotte Nc	WCNC	36
Bismarck Nd	KBME	3
N. Platte Ne	KNOP	2
Omaha Ne	WOWT	6
Camden Nj	WNJS	23
Albu. Nm	KNAT	23
Reno Nv	KAME	21
Garden C. Ny	WLIW	21
Tulsa Ok	KOKI	23
Coos Bay Or	KMTZ	23
Erie Pa	WFXP	66
Huron Sd	KTTM	12
Rapid C. Sd	KOTA	3
Austin Tx	KLRE	18
C Christi Tx	KEDT	16
Jaxnvl. Tx	KETK	56
Odessa Tx	KOCV	36
Wich Fls Tx	KAUZ	6
Petersbg Va	WRIC	8
Milwaukee Wi	WVCY	30

**DTV Channel 23:**

Phoenix Az	KSAZ	10
Cotati Ca	KRCB	22
29 Palms Ca	KVMD	31
Glenwood Springs Co		
KREG	3	
Sterling Co	KTVS	3
Orlando Fl	WMFE	24
Columbus Ga	WJSP	28
Savannah Ga	WJCL	22
Hilo Hi	KWHH	14
Honolulu Hi	KFEV	5
Pocatello Id	KPVI	6
Moline Il	WQPT	24
Lakin Ks	KSWK	3
Topeka Ks	KTWU	11
Lafayette La	KLPB	24
Shrevept. La	KLTS	24
Marlborough Ma		
WHSB	66	
Spfld. Mo	KOZK	21
Hattiesbg Ms	WHLT	22
Charlotte Nc	WBTV	3
Greenvl. Nc	WUNK	25
Bismarck Nd	KXMB	12



**DTV Channel 23:**

Albion Ne	KLKE	24
L Cruces Nm	KRWG	22
Reno Nv	KOLO	8
Norwood Ny	WNPI	18
Smithtown Ny	WHSI	67
Lawton Ok	KSWO	7
Lancaster Pa	WLYH	15
Mayaguez Pr	WNJX	22
Rapid C. Sd	KBHE	9
Jellico Tn	WPMC	54
Nashville Tn	WNAB	58
Galveston Tx	KLTJ	22
Killeen Tx	KAKW	62
Odessa Tx	KPEJ	24
Green Bay Wi	WBAY	2
Huntingtn Wv	WSAZ	3

**DTV Channel 24:**

Anchorage Ak	KAKM	7
Fairbanks Ak	KUAC	9
Huntsvl Al	WHIO	25
Tuskegee Al	New	22
Pine Bluff Ar		
	KVTN	25
Phoenix Az	KTVK	3
Oxnard Ca	KADY	63
San Fran. Ca	KGO	7
Co Sprr Co	KRDO	13
Miami Fl	WLTU	23
St. Petersburg Fl		
	WTSP	10
Brunswick Ga	WBSG	21
Toccoa Ga	WNEG	32
Wailuku Hi	KGMV	3
Twin Fls Id	KIPT	13
Ft. Wayne In	WPTA	21
Terre Haute In		
	WTHI	10
Covington Ky	WCVN	54
Pikeville Ky	WKPI	22
Slidell La	WUPL	54
Muskegon Mi	WTLJ	54
Alex. Mn	KCCO	7
Kansas C. Mo	KCTV	5
Charlotte Nc	WTVI	42
Morehead City Nc		
	WFXI	8
Alliance Ne	KTNE	13
Henderson Nv	KVVU	5
New York Ny	WNYE	25
Newark Oh	WSFJ	51
Okla. C. Ok	KOKH	25
Altoona Pa	WATM	23
Eagle Butte Sd		
	KPSD	13
Sioux Fls Sd	KCSD	23
Abilene Tx	KTAB	32
Amarillo Tx	KVII	7
Brownsvl Tx	KVEO	23
Garland Tx	KUVN	23
Houston Tx	KETH	14
Richmond Va	WCVE	23
Windsor Vt	WVTA	41
Wausau Wi	WHRM	20

**DTV Channel 25:**

Nogales Az	KMSB	11
Prescott Az	KUSK	7
Bkrsfld. Ca	KGET	17
San Diego Ca	KGTU	10
Stockton Ca	KOVR	13
Ft. Walton Beach Fl		
	WFGX	35
Venice Fl	WBSV	62
Atlanta Ga	WATL	36
Kailua Kona Hi		
	KLEI	6
Ft. Dodge Ia	KTIN	21
Iowa C. Ia	KWKB	20
Boise Id	KBCI	2
Ipls. In	WRTV	6
Wichita Ks	KSAS	24
Bangor Me	WLBZ	2
Joplin Mo	KOZJ	26
Meridian Ms	WMDN	24
Asheville Nc	WUNF	33
Lumberton Nc	WUNU	31
Lincoln Ne	KOLN	10

Albu. Nm	KVME	5
Syracuse Ny	WCNY	24
Eugene Or	KVAL	13
Pgh. Pa	KDKA	2
Reading Pa	WTVE	51
Ponce Pr	WQTO	26
Florence Sd	KDLO	3
Memphis Tn	WPTY	24
El Paso Tx	KINT	26
Lubbock Tx	KPTB	16
Richmond Va	WTVR	6
Hartford Vt	WNNE	31
Seattle Wa	KTZZ	22
Milwaukee Wi	WCGV	24

**DTV Channel 26:**

Anchorage Ak		9
Fairbanks Ak	KTVF	11
Gadsden Al	WTJP	60
Mobile Al	WPMI	15
Newark Ar	KLEP	17
Phoenix Az	KUTP	45
S. Bdo. Ca	KVCR	24
Longmont Co	KDEN	25
Dawson Ga	WACS	25
D Moines Ia	NEW	63
Boise Id	KTVB	7
Urbana Il	WCCU	27
Topeka Ks	KSNT	27
Ashland Ky	WKAS	25
Louisvl. Ky	WLKY	32
Alex. La	KLPA	25
Mpls. Mn	KMSP	9
St. Louis Mo	KPLR	11
Greenwood Ms	WMAO	23
Lexington Ne	KLNE	3
Albu. Nm	KOB	4
Reno Nv	KREN	27
Albany Ny	WTEN	10
Cleveland Oh	WVIZ	25
Ada Ok	KTEN	10
Eugene Or	KLSR	34
Phila. Pa	KYW	3
Pgh. Pa	WQEX	16
Lead Sd	KIVV	5
Mitchell Sd	KDLT	5
Knoxville Tn	WATE	6
Midland Tx	KMID	2
Waco Tx	KXXV	25
Richmond Va	WRLH	35
Richland Wa	KNDU	25
Tacoma Wa	KBTC	28
Madison Wi	WKOW	27

**DTV Channel 27:**

Mobile Al	WKRQ	5
El Dorado Ar	KTVE	10
Flagstaff Az	KKTM	13
San Fran. Ca	KTSF	26
Sta. Bra. Ca	KEYT	3
Pueblo Co	KOAA	5
Wash. Dc	WETA	26
West Palm Beach Fl		
	WXEL	42
Atlanta Ga	WAGA	5
Honolulu Hi	KAAH	26
C Rapids Ia	KFXA	28
Nampa Id	KTRV	12
Chicago Il	WCIU	26
Bloomington In		
	WIIB	63
Redwood Fls. Mn		
	KRWF	43
Missoula Mt	KUFM	11
Durham Nc	WRDC	28
Burl. Nj	WGTV	48
Santa Fe Nm	KASA	2
Jamestown Ny	WNYB	26
Poughkeepsie Ny		
	WTBY	54
Utica Ny	WFXV	33
Athens Oh	WOUB	20
Okla. C. Ok	KFOR	4
Medford Or	KMVU	26
Portland Or	KOPB	10
San Juan Pr	WAPA	4
Hardeevl Sc	WTGS	28
Lead Sd	KHSD	11
Kingsport Tn	WKPT	19

Nashville Tn	WKRN	2
C Christi Tx	KORO	28
Houston Tx	KRIV	26
Llano Tx	KXAM	14
Lubbock Tx	KAMC	28
S Lake C. Ut	KJZZ	14
Menomonie Wi	WHWC	28

**DTV Channel 28:**

Anchorage Ak	KTVA	11
Fairbanks Ak		13
Homewood Al	WTTO	21
Flagstaff Az	KVPY	9
Tucson Az	KUAS	27
Eureka Ca	KBVU	29
San Fran. Ca	KPIX	5
Visalia Ca	KMPH	26
High Springs Fl		
	WGFL	53
West Palm Beach Fl		
	WFLX	29
Lihue Hi		27
Wailuku Hi		27
Sioux C. Ia	KSIN	27
Bloomington Il		
	WYZZ	43
Evansvle In	WTVW	7
Lafayette La	KATC	3
Shrevept. La	KTBS	3
Frederick Md	WFPT	62
Brainerd Mn	KAWB	22
Spfld. Mo	KDEB	27
Laurel Ms	WDM	7
L Cruces Nm	KZIA	48
Roswell Nm	KRPV	27
New York Ny	WNBC	4
Rochester Ny	WUHF	31
Lorain Oh	WUAB	43
Oxford Oh	WPTO	14
Okmulgee Ok	KGLB	44
San Juan Pr	WKAQ	2
Sumter Sc	WRJA	27
Aberdeen Sd	KABY	9
Memphis Tn	WREG	3
Del Rio Tx	KTRG	10
Wich Fls Tx	KFDX	3
S Lake C. Ut	KSTU	13
Bristol Va	WCYB	5
Milwaukee Wi	WTMJ	4
Clarksbg Wv	WLYJ	46
Cheyenne Wy	KLWY	27

**DTV Channel 29:**

Phoenix Az	KAET	8
San Fran. Ca	KDTV	14
Pueblo Co	KTSC	8
Panama C. Fl	WPGX	28
Tampa Fl	WFTS	28
Wailuku Hi	KMAU	12
Chicago Il	WMAQ	5
Hutchinsn Ks	KPTS	8
Newport Ky	WXIX	19
Owensboro Ky	WKOH	31
N. Orl. La	WVUE	8
Worcester Ma	WUNI	27
Baltimore Md	WMPB	67
Hannibal Mo	KHQA	7
Helena Mt	KHBB	10
Wilmington Nc	WUNJ	39
Winston-Salem Nc		
	WXLV	45
Scottsblf Ne	KSTF	10
W Milford Nj	WFME	66
Santa Fe Nm	<Cp>	19
Utica Ny	WKTV	2
Toledo Oh	WGTE	30
Shawnee Ok	New	30
Eugene Or	KEPB	28
Klamath Fls. Or		
	KDKF	31
Johnstown Pa	WWCP	8
Williamspt Pa	WILF	53
Mayaguez Pr	WORA	5
Sioux Fls Sd	KSFY	13
Chatt. Tn	WTCI	45
Memphis Tn	WKNO	10
Abilene Tx	KRCB	9
Bryan Tx	KYLE	28
El Paso Tx	KCOS	13



JUNE 1997

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TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication:  
**M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479**  
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<b>KEY:</b> &: satellite programming AF: new freq. allocation <b>accepted</b> for filing for a new FM license AFA: American Family Association CC: <b>call change</b> /new calls assigned CL: <b>city of license</b> change granted CO: new xmtr <b>co-ordinates</b> CX: a <b>CP</b> has expired, and is cancelled C1,C2, etc: change in class status DA: <b>directional antenna</b> DE: calls <b>deleted</b> , license returned to FCC FC: station <b>format change</b>	GA: <b>granted amendment</b> to table of FM allocations GE: station was <b>granted extension</b> of a CP GX: <b>granted</b> replacement of expired CP LC: filed for license to cover (for new strn.) MC: <b>multiple-city</b> legal ID NC: <b>no change</b> yet, on a reported pending grant/change. ND: non-directional NO: station is <b>not</b> on the air NS: a <b>new station</b> granted a license OSA: one-step application NW: <b>new station</b> signs on the air PA: <b>proposed amendment</b> to change table of allocations PC>: a <b>power change</b> (increase)	PC<: a <b>power change</b> (decrease) PG>: <b>power change granted</b> (increase) PG<: <b>power change granted</b> (decrease) QC: frequency <b>change</b> for this station QG: frequency change <b>granted</b> RA: station <b>returns</b> to the air RE: station <b>requests extension</b> of a CP RX: station <b>requests</b> re-instatement of an expired CP SG: <b>slogan</b> change or update SI: station is <b>silent</b> XA: <b>disimssed amendment to the table of FM allocations</b> XC: station changes xmtr site XG: station granted a transmitter (xmtr) site change
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## UNITED STATES

### ALABAMA:

Abbeville: WIZB 94.3 FC to cont.Christian (&  
Arab: WCRQ 92.7 PC> 800w, 623 ft.  
Birmingham: WLJR88.5 NO-GE  
Birmingham: WZRR 99.5 FC to classic hits  
Brewton: WGYJ 90.9 NO-GE  
Demopolis: WZNJ106.5  
FC to WW1 oldies (&  
Dora: WZJT 92.5 CC (NS), PG < 2.2 kW, 548'  
XG: 33-38-55 / 87-09-19  
Luverne: WMHS104.3 CC (ex WDHT)  
St.Florian: \*\*\* 102.7 PA: add class A  
Tuscaloosa:WRTR105.5 CC (ex WACT)  
is now // WQEN 103.7 mornings ("Rick and Bubba")  
Tuscaloosa: \*NS 88.9 AF (Moody Bible Inst.)  
Tuscaloosa: W247AH 97.3 NS-10w: WZRR 99.5  
Union Sps: WSFU 94.1 RA with black gospel // WBIL  
AM 580 Tuskegee

### ALASKA:

Chevak: KCUK 88.1 CX CP for 6 kW (h), 276 ft.  
Fairbanks: KUAC 89.9 QC from 104.7, PC>  
38 kW, 1660 ft.

### ARIZONA:

Bisbee: KRMB 90.1 NO-GE  
Flagstaff: KJTA 89.9 NO-GE, PG> 11.5 kW, 1420'  
XG: 34-58-08 / 111-30-28  
Hotevilla: \*NS 89.1 AF (Hopi Foundation)  
Nogales: KOFH 91.1 CC (ex KAUH)  
Parker: KVEZ 99.3 PC> 10 kW, 941', class C2  
Payson: \*\*\* 99.3 PA: add class A  
Payson: \*NS 101.1 88 kW, 1033 ft.  
Phoenix: KLSZ 99.9 inc. to 1702 ft.  
Show Low: KAUL 90.7 CC (NS)  
Winslow: KFMR 95.1 PG> 100kW (cir), 1460 ft  
14 XG: 34-58-05 / 111-30-28

### ARKANSAS:

Blytheville: \*NS 88.1 AF (AFA)  
DeWitt: KDEW 97.3 RA with country  
Eudora: \*NS 101.5 6 kW, 328 ft.  
Leslie: \*\*\* 100.7 PA to add class C2  
Little Rock: KSYG103.7 adds Gary Burbank show  
Marion: KANG107.1 FC to hip hop & R&B "Hot"  
Marked Tree: KJBR93.7 FC to smooth jazz  
Mountain Home: \*NS88.7 AF (Arkansas State U)  
N.Little Rock: KDRE101.1 FC to CHR "Z101"  
Rogers: KAMO 94.3 adds ABC country (&  
Stuttgart: KWAK105.5 FC to oldies  
Viola: \*NS 94.3 25 kW, 328 ft.

### CALIFORNIA:

Atwater: KVRQ 92.5 adds DA  
Avenal: KAAX105.7 NO-RE  
Blue Lake: \*\*\* 106.3 PA: add class A  
Burney: KRRX106.1 CC (ex KARZ), FC to  
rock "106-X" (Redding)  
Calistoga: KGRP100.9 CC (ex KRAZ) "The Grape"  
Chester: KCMT 98.9 FC to adult contemporary  
Corcoran: KLCZ 102.3 NO-GE  
E.Porterville: KOJJ100.5 adds urban from 9pm to 6am  
(remains Spanish hits the rest of the time)  
Firebaugh: KAJP 94.7 NO-GE  
Ford City: KZPE 102.1 NO-GX  
Fort Bragg: K220GB91.9NS-10w(v): KEAR 106.9 CA  
Goleta: KMGQ106.3 FC to CHR (Santa Barbara)  
Grover City: K270AF 91.9NS-10w(v): KFRB 91.3  
Happy Camp: \*NS 98.9 NS-47w(h): KSYC 103.9  
King City: KRKC102.1 adds WW1 AC (&  
Kings Beach: KHWG 107.7 dec. to 2867 ft.  
XG: 39-18-49 / 119-52-59  
Lancaster: KGMX106.3 adds WW1 a/c (&  
Lancaster: KTLW 88.9 NO-GE  
Landers: K212EP90.3NS-10w: KAWZ 88.9 ID

**Magic 106**  
**KRKC**



**California:**

Laytonville: K241AH96.1 NS-10w(v): KPRA 89.5  
 Long Beach: KLON88.1 PG> 35 kW, DA, class B  
 Los Altos: KFJC 89.7 PC< 110w, 1843 ft.  
 Los Angeles: KOST103.5PC< 4.2 kW, 2814 ft.  
 Los Angeles: KLSX97.1 FC to adult alternative  
 (still with talk during the week)  
 Marysville: KSXX 99.9 FC to regional Mexican  
 // KLOK 99.5 (Sacramento)  
 Orange Cove: KMAK 100.3 FC to religion // KDNO  
 98.5 Delano (Fresno)  
 Quincy: KNLF 95.9 NW, cont. Christian (AFA) (&  
 Rancho Mirage: KMRJ 99.5 PG to 3 kW, 328 ft.  
 XG: 33-52-15 / 116-13-37  
 Riverside: KSSE 97.5 FC to Spanish hits (L.A.)  
 CC (ex KVAR), SG "Super Estrella FM"  
 Sacramento: KZZO100.5 CC (ex KQPT) "The Zone"  
 San Diego: KXGL 94.1 dec. to 617 feet  
 San Diego: KIOZ 105.3 adds Howard Stern  
 San Luis Obispo: KKJG 98.1 PC< 4.5 kW, 1519 ft  
 XG: 35-21-40 / 120-39-21  
 San Mateo: KCSM 91.1 PC< 11.5 kW, 371 ft.  
 Santa Paula: KXBS96.7 FC to regional Mexican  
 Santa Ynez: KRAZ105.9CC (ex KAGA)  
 Seaside: K291AE106.1NS-15w(v),DA: KISE-FM  
 Shafter: KGZO 91.9 PG< 45 kW  
 Shingle Sps: KSSJ101.9PC> 47 kW, 505 ft, class B  
 XC: 38-51-12 / 120-56-23  
 Susanville: KHJQ 102.1 RA with ABC Hot AC (&  
 PA: to 101.7, class C3  
 Tahoe City: KRZQ96.5 PG> 6.1 kW, 2962 ft.  
 XG: 39-18-38 / 119-53-01  
 Tipton: KCRZ104.9 CC (ex KZZC),  
 "Cruisin' 104.9"  
 Tularcitos: K217CO91.3 NS-10w: KLVM 89.7 CA  
 Turlock: KCSS 91.9 PC> 150w, 49 ft.  
 Wasco: K219DF 91.7 NS-50w: WAFR 88.3 MS  
 Weed: KWHO102.3 FC to WW1 a/c (&  
 W.Covina: KRTO 98.3 FC to R&B oldies // KACE  
 Winsdor: \*NS 104.1 250w, 1105 ft.

**COLORADO:**

Cortez: KISZ 97.9 FC to country  
 Eckley: \*\*\* 95.3 PA: add class C1  
 Grand Jct: KJYE 92.3 FC to soft AC  
 Grand Jct: KAFM 88.1 NO-GE  
 Ignacio: KUTE 90.1 CC (NS)  
 Julesburg: \*NS 96.5 AF  
 Limon: \*NS 103.1 100 kW, 682 ft.  
 Meeker: \*NS 98.1 AF  
 Montrose: \*NS 89.1 AF  
 Pueblo: KYZX 104.5 PC< 50 kW (h), 492 ft.  
 XC: 38-33-24 / 104-35-56  
 Vail: K201DU88.1 NS-10w: KLVC 88.3  
 Wray: KATR 98.3 PA: to class C1, CL: Otis, CO  
 Yuma: \*NS 100.9 AF (AFA)

**CONNECTICUT:**

Hartford: WRTC 89.3 PC< 300w(cir), 95 ft  
 XC: 41-45-06 / 72-41-29  
 W.Hartford: WWUH91.3 PC< 440w, 784 ft.  
 XC: 41-46-27 / 72-48-20

**DELAWARE:**

Bethany Beach: WOSC 95.9 PC> 19 kW, 377 ft.

**FLORIDA:**

Cedar Creek: WKSG89.5 NO-GX, PG< 2 kW, 308 ft  
 XG: 29-11-20 / 81-52-52  
 Century: WPFL105.1 NC to 25 kW, C3, GX  
 Clermont: WLAZ 88.7 NO-RE, LC  
 Cross City: WDFL106.3 NC to 106.9 - C1, 100 kw,GE  
 Crystal River: WXJC91.9 PC> 7.9 kW, 285 ft, class  
 C3  
 XC: 28-50-30 / 82-30-18  
 Daytona Bch: WJHM 101.9 PC> 61 kW, class C  
 Daytona Bch: WCFB 94.5 adds Tom Joyner  
 Edgewater: WKTO 88.7 PG< 5 kW (v), 298', DA  
 Everglades City: \*\*\*92.7 PA: add class A  
 Ft.Myers Villas: WJST 106.3 NC to 328 ft, GX  
 Holly Hill: WVYB103.3 FC to CHR (Daytona)  
 CC (ex WDXD), SG "The Vibe"  
 Homestead: WRGP88.1 NO-RE  
 Key Colony Bch: WKKB 105.5 NO-GE  
 LaBelle: WKZY 92.5 reported SI cause of  
 a lightning strike  
 Marianna: WBNF 94.1 reported SI  
 Naples: WSRX 89.5 PC> 20 kW, 225 ft, C3  
 DA, XC: 26-07-33 / 81-43-47  
 Naples Park: WQNU 105.5 CC (ex WXRm) "Q105"  
 Palm Coast: W254AK98.7 NS-120w: WAYL 91.9  
 Panama City: \*NS 91.7 AF  
 Pennusco: WIRP 88.3 NO-GX  
 Pt.Charlotte: WXRm100.1 CC(ex WFSN), "Warm 100"  
 Riviera Beach: WOLL 94.3 PG> 4.1 kW, 807 ft  
 / DA, C3, XG: 27-01-32 / 80-10-43  
 St.Petersburg: WKES 101.5 PC< 78 kW, 968 ft.  
 Sarasota: W274AF97.3NS-80w: WYFO 91.9  
 Sarasota: WSRZ106.5 QC from 106.3, now C3  
 PC> 25 kW  
 Tampa: WAKS100.7 inc. to 1358 feet, class C  
 XC: 27-50-32 / 82-15-46  
 Tarpon Sps: WYFE88.9 PC< 60 kW, 449 ft, DA  
 XC: 28-22-39 / 82-40-25  
 W.Palm Beach: WRLX 92.1 FC to soft AC "Relax 92.1"

**GEORGIA:**

Claxton: WCLA107.3 FC to urban gold (&  
 Columbus: WTJB 91.7 PC> 5 kW (h)  
 XC: 32-25-20 / 85-01-50  
 Dalton: W259AR99.7 NS-10w: WCCV 91.5  
 Folkston: \*NS 91.3 600w, 321 ft.  
 Gray: WNML 96.5 CC (ex WWIQ), FC  
 to sports (Macon) "The Sports Animal"  
 Lumber City: WMOC88.7 NO-RE  
 Pt.Wentworth: \*NS91.9 AF  
 Royston: WPUP103.7 FC to rock (Athens)  
 Summerville: W284AJ 104.7 NS-10w: WCCV 91.5  
 Warner Robins: WLCG 102.5 CC (ex WYIQ)  
 FC to black gospel (Macon)  
 Warrenton: WRFN 93.1 CC (NS)  
 Waycross: WASW91.9 CC (NS)

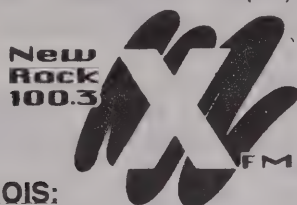


**HAWAII:**

Hanalei: KKCR 90.9 NO-GE  
 Hilo: KHWI 100.3 adds Mark & Brian  
 Kekaha: KHAU 103.3 NO-GE  
 Lihue: K208CM89.5 NS-140w: KLVC 88.3 CA  
 Poipu: KSRF 95.9 NO-GE  
 Waimea: KAGB 99.1 NO-CX-DE

**IDAHO:**

Burley: \*NS 88.5 AF  
 Coeur d'Alene: \*\*\*103.1 PA: to class C1,  
 CL: Post Falls, ID  
 Island Park: \*NS 106.5 AF  
 Payette: KQXR100.3 adds Mark & Brian (Boise)  
 Pocatello: \*NS 91.1 AF (Idaho State)  
 Rexburg: KADQ 94.3 FC to Jones soft AC (&)  
 Troy: \*\*\* 103.3 PA: add class A  
 Twin Falls: \*\*\* 98.3 PA: class C1  
 Wallace: KQWK 97.5 CC (NS)  
 Wallace: KSIL 100.7 CC (NS)

**ILLINOIS:**

Aurora: WYSY107.9 FC (stunting with rock now)  
 Carlville: W206AN88.1 NS-80w: WYFG 89.3 SC  
 Cedarville: \*\*\* 106.9 PA: add class A  
 Champaign: WPCD88.7 dec. to 282 ft  
 XG: 40-08-14 / 88-17-10  
 Chicago: WKXK 94.7 FC to classic rock  
 Golconda: WDXR 94.3 adds Jones oldies (&)  
 Metropolis: WRIK 98.3 FC to CHR "K98" (Paducah)  
 PC> 100 kW, 699ft, C1, XC: 36-45-09 / 88-29-58  
 Mt. Sterling: WBRJ106.7 FC to talk/sports // WTAD 93.0  
 Quincy: WMOS103.9 FC to soft AC "Lite 104"  
 Quincy: \*NS 91.1 AF (Quincy U.)  
 Seneca: WAIZ 95.7 NO-RX  
 Teutopolis: WKJT102.3 RA with country

**INDIANA:**

Anderson: WBSB 89.5 LC  
 Auburn: WGL 102.3 CC (ex WGLL)  
 Columbia City: WSHI 106.3 FC to adult standards (&)  
 CC (ex WDJB) (Fort Wayne)  
 Edinburgh: WYGB102.9 CC (NS), 6 kW, 328 ft.  
 Evansville: WABX107.5 LC  
 Goshen: WGCS 91.1 PG< 6 kW, 292 ft, DA  
 class A, XG: 41-33-29 / 85-51-06  
 Greencastle: WGRE91.5PC< 800w(v), 177 ft  
 XG: 39-38-19 / 86-51-49  
 Muncie: WERK104.9 adds Radio 1 Country (&)  
 Newburgh: WDKS106.1 FC to classic hits // WTRI  
 FM CC (ex WGAB)  
 Roanoke: WYSR 94.1 CC (ex WGL)  
 Vincennes: WATI 89.9 CC (ex WAQO)

**IOWA:**

Alta: KBVC 97.5 CC (NS)  
 Belle Plaine: KXPW95.5 OSA to 4.4 kW, 384 ft, class A  
 Bettendorf: KORB 93.5 PC> 6 kW  
 Bloomfield: KXOF106.3 NC to 8.7 kW, 377 ft, GX  
 Britt: \*NS 99.5 AF  
 16ston: W215AR90.9 NS-250w: WAFR 88.3 MS

**Iowa:**

Garnaville: KCTN100.1 PC> 6 kW, 328 ft.  
 Hiawatha: \*NS 89.1 AF  
 Lamoni: KIIC 97.9 CC (ex KASD)  
 Madrid: KEZT 96.1 CC (NS)  
 Maquoketa: KMAQ 95.3 NC to 95.1, 6 kW, GE  
 Ottumwa: KOTM 97.7 PC> C3, 18.5 kW  
 380ft, XC: 41-01-28 / 92-28-56  
 Rock Valley: KDUT106.9 CC (ex KIHK), NO-RE

**KANSAS:**

Cawker City: \*\*\* 96.3 GA: add class C3  
 Chanute: KKOY105.5 FC to hot AC (&)  
 Clearwater: KAYY 98.7 CC (ex KSPG), FC to  
 ABC hot AC (&) (Wichita), "K 98.7"  
 Columbus: KOCD105.3 FC to modern rock "Rock 105"  
 Emporia: KRWW 99.5 NO-RE, CC (ex KGZF)  
 Ft. Scott: KOMB103.9 FC to oldies  
 Humboldt: \*\*\* 94.3 GA: add class C3  
 Hutchinson: KHCC90.1 adds Beethoven classical (&)  
 (also affects KHCT 90.9 & KHCD 89.5)  
 Independence: KARF91.1 NW, AFA cont. Christian (&)  
 Junction City: KJCK94.5 adds ABC hot AC (&)  
 from midnight to 6am (Manhattan)  
 Liberal: KZQD105.1 NO-GE (3rd)  
 Lindsborg: KQNS 95.5 FC to adult cont. (Salina)  
 Minneapolis: KILS 92.7 FC to Real Country (&)  
 Riley: \*\*\* 96.3 PA: add class C3  
 Wellington: KWME 93.5 NC to 4.9 kW, 361 ft, CX  
 PG> 6 kW, 321 ft, XG: 37-14-28 / 97-24-04

**KENTUCKY:**

Beaver Dam: \*NS100.7 NO-GX  
 Carlisle: WCAK100.7 FC to Christian country  
 // WINH 1380  
 Clinton: WCBF102.1 CC (NS)  
 Elkhorn City: WPKE 103.1 NC to 320w, 1397', DA  
 Hawesville: WXCM 97.1 CC (ex WKCM) "97-X"  
 Jeffersonton: WMJM 101.3 adds Tom Joyner  
 Lexington: WKQQ 98.1 dec. to 561 ft.  
 Louisville: WLRS102.3 PC> 4.3 kW  
 Pippa Passes: WOAL 91.7 NC to 7.3 kW, 544', C3, GE  
 Stamping Ground: WKYI 99.1 reported SI

**LOUISIANA:**

Arcadia: \*NS 92.5 AF  
 Baker: WGGZ107.3 CC (ex WBBU)  
 Basile: KQIS 102.1 CC (ex KSIG), FC to adult  
 contemporary (Lafayette), "Kiss 102.1"  
 Baton Rouge: WBRH 90.3 NC to 8 kW, 371 ft, GE  
 Baton Rouge: WDGL98.1 CC (ex WGGZ) "Eagle 98.1"  
 Baton Rouge: WXCT100.7 CC (ex WTGE) "Cat Cntry"  
 DeRidder: KEAZ 101.7 RA with ABC country (&)  
 Grand Isle: \*\*\* 104.5 PA: add class A  
 Houma: K249DI97.7 NS-205w: WBSN 89.1  
 Lafayette: KSJY 90.9 NW, AFA cont. Christian (&)  
 Lafayette: KTDY 99.9 FC to hot AC  
 Lake Arthur: \*NS 107.5 OSA to 107.3 C3, PG> 16 kW  
 364 ft, XG: 30-00-31 / 92-46-47

LITE ROCK

**99.9 KTDY**



**Louisiana:**

Mamou: KBON101.1 NW, variety (Cajun, Zydeco, country, blues, R & B, oldies, gospel)  
 Mansura: \*\*\* 95.9 PA: add class A  
 Many: \*NS 89.7 1 kW, 430 ft. (AFA)  
 Maurice: KFXZ 106.3 FC to black gospel/blues (&)  
 Minden: KASO 95.7 GA: to class C2  
 Natchitoches: KZBL95.9 GA: to 100.7 - class A  
 Rayne: KSIG 106.7 CC (ex KCRL), FC to WW1 adult standards (&) (Lafayette)  
 Vidalia: KPXS 104.7 XC: 31-35-05 / 91-23-18  
 Washington: KNEK104.7 FC to urban AC (Lafayette)

**MAINE:**

Bangor: WWBX97.1 FC to soft AC  
 Bar Harbor: WMDI107.7 FC to adult alternative  
 Boothbay Hbr: WCME 96.7 FC to soft AC (Portland)  
 Howland: WVOM103.9 CC (ex WSNV)  
 Lincoln: WHMX105.7 RA with cont. Christian // WHCF 88.5 Bangor  
 Pittsfield: WJCX 99.5 PC> 6 kW, 328 ft XC: 44-48-11 / 69-10-06  
 Topsham: WXGL 95.5 FC to WW1 adult rock (&)

**MARYLAND:**

Cumberland: WKGO 106.1 PG> 5.5 kW

**GO 106**  
 fm stereo

**MASSACHUSETTS:**

Amherst: W246AM97.1 NS-39w: WPVQ 93.9  
 Nantucket: \*NS 91.9 AF

**MICHIGAN:**

Allegan: WZUU 92.3 CC (ex WNTX)  
 Bronson: WCVN 94.7 NO-GX  
 Charlevoix: \*\*\* 107.9 GA: add class A  
 E.Lansing: WVIC 94.9 FC to classic rock  
 Fremont: WSHN100.1 adds WW1 Hot Country (&)  
 Glen Arbor: WJZJ 95.5 CC (ex WTHM) "Jazz"  
 Goodland Twp: \*NS88.1 AF  
 Grenada: \*\*\* 101.3 GA: add class A  
 Kalamazoo: WAYK88.3 PC 10 kW (v), 397 ft, DA  
 Lansing: WJIM 97.5 PG> 45 kW, 512 ft XC: 40-40-33 / 84-30-00  
 Leland: WIAR 94.3 PC> 20.5 kW, 764 ft, C2 XC: 44-46-19 / 85-40-58  
 Marlette: WBGV 92.5 NO-GE  
 Muskegon: \*NS 88.1 AF  
 Muskegon Hts: WMRR 101.7 FC to WW1 adult rock (&)  
 Rogers City: WHAK99.9 CC (ex WELG)  
 Traverse City: WCCW 107.5 adds ABC oldies (&)  
 Walhalla: \*\*\* 102.7 PA: add class A

**MINNESOTA:**

Babbitt: KAOD106.7 NO-RE  
 Buhl: WIRN 92.5 NW, news/talk // KNOW 91.1  
 Caledonia: KHTW 94.7 FC to CHR "Hot 94.7" CC (ex KSOF) (La Crosse)  
 Grand Marais: WXXZ95.3 NO-GE  
 Grand Marais: \*NS90.7 AF  
 HutchinsonKKJR 107.1 PA: to 106.9 - C3, Dassel, MN  
 Mankato: K296ER107.1 NS-250w: KJLY 104.5  
 Minneapolis: WBOB100.3 FC to rock, Howard Stern

**Minnesota:**

Proctor: KUSZ107.7 NC to 7.7 kW, C2, GX FC to classic hits "Z-Rock" (Duluth)  
 St.James: KXAX 101.5 PC> 14 kW, 446 ft, C3 XC: 43-52-29 / 94-36-04  
 Virginia: WIRR 90.9 FC to classical // KSJN 99.5  
 Winona: KHME101.1 NC to 15 kW, 420ft, RE

**MISSISSIPPI:**

Clarksdale: WAID 106.5 PC> 50 kW  
 Durant: WLIN 101.1 LC  
 Hattiesburg: W216BA 91.1 NS-80w(v): WPCS 89.5 FL  
 Lumberton: WLUN 95.3 PG< 50 kW, 1181 ft, XG: 30-44-48 / 89-03-30  
 McLain: WXAB 96.9 NO-GE  
 Mound Bayou: WZYQ 102.1 NO-GE, OSA to 101.9 6 kW, 328 ft, XG: 33-52-49 / 90-42-24  
 Philadelphia: WWSL102.3 PC< 4.9 kW, 364 ft, DA XC: 32-43-35 / 89-05-56  
 Pt.Gibson: WVEY100.5 NO-GE  
 Tupelo: WZLQ 98.5 NC to 100 kW (cir), 981', GX  
 Vicksburg: WJKK 98.7 FC to AC "Love 98" (Jackson)

**MISSOURI:**

Ashland: KBXR106.1 PG> 71 kW, 961 ft, C1 XG: 38-45-17 / 92-33-52  
 Benton: \*NS 89.9 AF (AFA)  
 Branson: KLFC 88.1 increase to 390 feet  
 Deerfield: \*\*\* 100.7 PA: add class A  
 Fredericktown: K219DE 91.7 NS-170w: WAFR 88.3 MS  
 Garden City: \*\*\* 105.3 GA: add class A  
 Gideon: \*\*\* 103.9 PA: add class A  
 Hannibal: \*NS 91.7 AF (AFA)  
 Kirksville: \*NS 88.7 1 kW, 197 ft.  
 Lebanon: KTTK 90.7 dec. to 476 ft. XG: 37-37-58 / 92-45-22  
 New Bloomfield: KNLG 90.3 CC (NS)  
 Poplar Bluff: \*\*\* 92.5 GA: add class A  
 Steelville: KNSX 93.3 RA with new rock "93X"  
 Stockton: \*NS 107.7 6 kW, 371 ft. (KYOO Comm.)

**MONTANA:**

Big Sky: KBFN 104.5 CC (NS)  
 Bozeman: KOBB 93.7 CC (ex KATH) "Bob"  
 Butte: KAPC 91.3 NO-RE  
 Columbia Fls: KCWX95.9 NO-GE, NO-RE  
 Great Falls: KMOM94.5 PC> 100 kW, 479 ft, C1 XC: 47-32-19 / 111-15-41  
 Hardin: K283AF104.5 NS- on with KLGT 92.9 WY  
 Kalispell: KUKL 89.9 NO-RX  
 Laurel: KRSQ101.7 dec. to 403 feet  
 Victor: \*\*\* 105.7 PA: add class A

**NEBRASKA:**

Albion: \*NS 92.7 50 kW, 371 ft.  
 Falls City: KLZA 101.3 CC (NS)  
 Holdredge: KMTY 97.7 PC> 55 kW, 262 ft, C1  
 Omaha: KNOS 88.9 PG< 210 w, 233 ft XG: 41-18-43 / 96-00-13  
 Scottsbluff: K204CV88.7 NS-250w: KLVC 88.3 CA

**NEVADA:**

Garnerville: KGVM 99.3 NC to 99.1 - C3, 6.9 kW, GX  
 Las Vegas: KJUL 104.3 NC to 3700ft, GX  
 Reno: KOZZ 105.7 dec. to 2178 ft.  
 Reno: KRNVI01.7 PA: to 92.3 - class C2  
 FC, adds talk to format (instead of just news)



**NEW HAMPSHIRE:**

Keene: W272AX102.3NS-30w(h), DA: WZID 95.7  
 Lebanon: WXXK100.5 CC (ex WVRR), "Kicks FM"  
 Manchester: WLMW90.7PG to 15w, 869 ft, DA  
 XG: 42-58-59 / 71-35-25

Newport: WVRR101.7 CC (ex WXXK) "V101"

**NEW JERSEY:**

Atlantic City: WMGM103.7FC to classic hits  
 Bridgeton: WNJB 89.3 NW, variety // WNJT 88.1  
 Newark: WNNK105.9 PC< 810w(h), 1223 ft,  
 XC: 40-44-54 / 73-59-10  
 Trenton: WNJT 88.1 adds jazz // WBGO 88.3  
 from midnight to 6 am

**NEW MEXICO:**

Alamogordo: KNMZ103.7NO-GE  
 Albuquerque: KEZF101.3CC (ex KRZN), FC on May 8  
 to WW1 soft AC (&)  
 Farmington: K257FQ 99.3 NS-250w, DA: KRTZ 98.7  
 Jal: KXJW 107.1 PA: to 103.7 - C1  
 Las Cruces: KRUC88.9 CC (NS)  
 White Rock: KSFQ101.1CC (ex KNLA), FC to  
 70's oldies (&) (Santa Fe), "Q101"

**NEW YORK:**

Amsterdam:WBKK 97.7 NC to 1.6 kW, RE  
 Brighton: WZNE 94.1 NW, modern AC "the Zone"  
 (Rochester), CC (ex WAQB)  
 Buffalo: WLCE 92.9 CC (ex WSJZ) "Alice @ 92.9"  
 Chateaugay: WYUL94.7 dec. to 1750 ft, add DA  
 Hudson: WHVP 91.1 NO-GE (2nd), PG> 360w(v)  
 991 ft, DA, XG: 42-18-28 / 73-29-35  
 Ithaca: \*NS 90.1 AF (WSKG)  
 Lancaster: \*NS 90.7

Mexico: WNDR103.9 LC  
 Rotterdam: WTRY 98.3 PC> 6 kW, 318 ft.  
 Schenectady:WRVE 99.5 PC< 14.5 kW, 925 ft.  
 Truxton: \*NS 88.7 AF  
 Tupper Lake: WRGR 102.3 FC to a/c // WLPW 105.5  
 Voorheesville: WPTR 96.3 adds Jones classic cntry  
 Westhampton: WDRE 98.5 CC (ex WLRI)

**NORTH CAROLINA:**

Biltmore Forest: WZRQ 96.5 PG> 430 w, 1197 ft  
 XG: 35-35-23 / 82-40-26  
 Greensboro: WQM97.1 decrease to 1230 ft.  
 XG: 35-56-42 / 79-51-45, adds Tom Joyner  
 Greensboro: WKS198.7 adds Bob & Sheri  
 Hickory: WXRC 95.7 adds Howard Stern  
 Laurinburg: WFLB 96.5 PG> 100 kW, 984 ft, class C  
 XG: 34-46-53 / 79-02-42  
 Murfreesboro: WDLZ98.3FC to ABC urban gold (&)  
 SG "Z 98.3"  
 New Bern: WAAE 91.9 NW, AFA cont. Christian (&)  
 Ocean Isle Bch: WDZD 93.5 CC (NS)  
 Salisbury: WOG93.3 RA with black gospel  
 QC from 91.1  
 Snow Hill: WAGO 88.7 NO-RE, returned as  
 un-necessary (station must come on air)  
 PG< 17 kW, 308', XG: 35-26-49 / 77-39-20  
 Windsor: WURB 97.7 RA with black gospel // WBXB

**NORTH DAKOTA:**

Beulah: \*NS 97.9 5 kW, 361 ft.  
 Bismarck: K207CA89.3NS-25w: KLVC 88.3 CA  
 Walhalla: KAUJ 106.7 CC (NS)

**OHIO:**

Caldwell: WWKC104.9 adds WW1 country (&)  
 Delaware: WYLR107.9 CC (ex WCEZ), FC to  
 soft AC (Columbus) "Lite Rock 108"  
 Gahanna: WCV0104.9 PG> 6 kW, 308 ft.  
 Jefferson: WCVJ 90.9 NC to 1850w, 643ft, GE  
 Marion: \*NS 91.1 6.8 kW (v), 285 ft, OSU  
 Marysville: WHQK105.7 FC to country // WHOK 95.5  
 W.Union: WRAC103.1 FC to all country "C103"  
 Wooster: W220BP91.9 NS-45w: WAFR 88.3 MS

**OKLAHOMA:**

Bartlesville:KYFM100.1 FC to country  
 Edmond: KCSC 90.1 NC to 840 ft, XC, GE  
 Heavener: KPRV 92.5 NC to 1550w, RX  
 Idabel: \*\*\* 105.1 PA: add class A  
 Oklahoma City: K294AT 106.7 NS-99w: KALU 89.3  
 Okmulgee: KCFM 94.1 PC> 100 kW, 807', C1  
 Poteau: KOMS107.3 FC to classic country  
 Sand Springs: KTFX 102.3 XA for class C3  
 Stillwater: \*NS 89.1 AF (AFA)  
 Sulphur: KFXT 100.9 PG> 8 kW, 571 ft, C3  
 XG: 34-26-25 / 97-12-09

Tulsa: \*NS 88.7 AF (U of Tulsa)  
 Wagoner: KRQZ102.3 GA: to class A, CL: Warner, OK  
 Woodward: KMPQ 95.9 CC (NS)

**OREGON:**

Altamont: KRAT101.3 CC (ex KCHQ)  
 Banks: KBBT 107.5 PG< 5.1 kW, 1443 ft  
 XG: 45-30-58 / 122-43-59  
 Cherryville: KLVP 88.7 NW, cont. Christian // AM  
 "K-Love" (Portland)  
 Cottage Grove: KEUG 105.5 NO-GE  
 Klamath Falls: \*NS88.5 AF (State of Oregon)  
 LaGrande: K212EQ90.3NS-10w: KLVC 88.3 CA  
 Lake Oswego: KJJZ106.7 CX CP for 100 kW, 1443 ft.  
 PG> 100 kw, 1443 ft, class C,  
 XG: 45-30-58/122-43-59  
 Medford: KTMT 93.7 FC to dance CHR "Beat 93"  
 Salem: K249DH97.7 NS-18w(v): WPCS 89.5 FL  
 Seaside: KULU 98.9 NO-RE  
 Sutherlin: \*NS 101.1 NO-GE  
 Toledo: KZUS100.7 NC to 25.5 kW, CX CP

**PENNSYLVANIA:**

Central City: WSR4 101.7 CC (ex WYSN), FC to  
 WW1 soft AC (&) "Star 101" (Johnstown)  
 Forest City: \*\*\* 100.1 GA: add class A  
 Hazleton: W218AX91.5 NS-3w: WRGN 88.1  
 Jenkintown: WPHI103.9 CC (ex WDRE)  
 SG "Philly 103.9" (Philadelphia)  
 Laporte: WRPA103.9 NO-RE  
 Lewisburg: WCXR103.7 QC from 96.3, PC< 1350w  
 695 ft, XC: 40-58-49 / 77-07-00  
 McConnellsburg: WEE0 103.7 NW, WW1 oldies (&)  
 Mansfield: WNTS 89.5 NC to 3.5 kW, GX  
 Martinsburg: WJSM92.7 PC> 640w, 964 ft.  
 Meadville: WARC 90.3 PC> 400w, 66 ft.



**Pennsylvania:**

Muncy: WHTO 93.3 QC from 103.9, PC> 1.7 kW  
1220ft, class B1, XC: 41-12-42 / 76-57-16  
N.Kingsington: WZPT 100.7 FC to classic hits  
(Pittsburgh)  
Oil City: \*NS 88.3 AF (WQED Pittsburgh)  
Philadelphia: WMMR93.3 FC to album rock  
Pottsville: W235AD94.9 NS-120w(h): WVIA 89.9  
Sharon: WYFM102.9 FC to classic hits "Y103"  
Somerset: WVSC 97.7 FC to country (Johnstown)  
Tobyhanna: WKRF107.9PG> 840w, 872 ft  
XG: 41-02-37 / 75-23-00

Wellsboro: W246AL 107.1 NS-20w: WDKC 101.5

**RHODE ISLAND:**

Block Island: WERI99.3 FC to adult alternative  
Narragansett Pier: WAKX 102.7 CC (ex WPJB) "Kicks"  
Providence: WBRU95.5 NC to 50 kW, GE  
Wakefield: WDGE 99.7 adds Mancow Mueller  
Westerly: \*NS 88.1 AF

**SOUTH CAROLINA:**

Bamberg: WWBD92.1 NC to 95.7, 6 kW, GE  
Bluffton: WIJY 106.9 PC> 100 kW, 800 ft, C1  
XC: 32-13-36 / 80-50-53  
Greenwood: WCRS96.7 adds WW1 country (&)  
Kingstree: WGSS 94.1 NO-GE  
Murrells Inlet: WRNN94.5 adds Sports Byline  
Parris Island: WGZO92.1 CC (ex WOCW), SG  
"Cool FM" (they were WLWS for one week)  
Ridgeland: WGZR104.9 CC (ex WSHZ), "Gator 104.9"  
Socastee: WMYB 99.5 FC to adult cont. (M.Beach)

**SOUTH DAKOTA:**

Canton: KIXK 102.7 adds Bob & Tom  
Clear Lake: \*\*\* 107.1 GA: add class C3  
Custer: KAWK105.1 NO-RE  
Hot Springs: KZMX96.7 NC to 51 kW (h), 551', GE  
OSA to class C2, 38 kW (h), 453 ft.  
Little Eagle: KLND 89.5 NO-RE  
Redfield: KGIM 103.7 PG> 100 kW, 554 ft, C1  
XG: 45-12-30 / 98-40-20, CC (ex KQID)  
Winner: KGGK 98.5 NO-GE

**TENNESSEE:**

Bells: KMKT 93.1 CC (ex KASK)  
Chattanooga: WDOD96.5 FC to adult alternative  
Clinton: WDVX 89.9 LC  
Colonial Hts: WRZK105.9 PC< 1.5 kW, 1296 ft, DA  
class C3, XC: 36-31-36 / 82-35-14  
Comanche: \*NS 94.3 OSA to C2, 29.5 kW, 646'  
XG: 31-57-40 / 98-49-25  
Crossville: WMKW89.3 dec. to 1394 ft, DA  
Dickson: WNRZ 91.5 NW, MGS cont.  
Christian // WNAZ 89.1  
Dyer: WLSQ 94.3 drops modern AC  
Humboldt: WLSZ105.3 adds JSN modern AC (&)  
Loudon: WNOX 99.1 adds Sports Byline  
10pm-1am(Knoxville)  
McMinnville: WCPI 91.3 NW, variety  
Morristown: WMXK 95.9 PC<920w, 817 ft,  
XC: 36-13-42 / 83-19-57  
Mt. Juliet: WNPL106.7 NO-GE  
Mufreesboro: WFCM91.7 NO-RE  
Oliver Sps: WXVO 98.7 NC to 25 kW, C3, RE  
Savannah: W201BM88.1 NS-55w: WAFR 88.3 MS  
Springfield: WDBL 94.3 FC to modern rock // WRLG

**Tennessee:**

Union City: WKWT104.9 PC> 6 kW, 305 ft,  
XC: 36-28-25 / 88-56-41  
Waynesboro: W210BE 89.9 NS-19w: WAFR 88.3 MS

**TEXAS:**

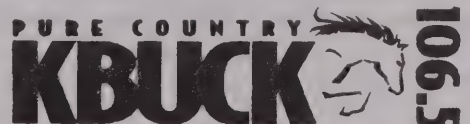
Beaumont: KXTJ 107.9 FC to regional Mexican  
Benavides: KXTM107.7 NO-GX  
Borger: \*NS 91.5 250w, 331 ft.  
Brownfield: KLZK 104.3 RA with classic rock  
(Lubbock)  
Brownwood: KBUB90.3 RA with gospel // KNYD 90.5  
Childress: K202CK88.3 NS-200w(h): KPDR 90.5  
Cleveland: KRTK 97.1 adds Sports Byline  
decrease to 984 ft.  
Crystal Beach: KSTB 101.5 adds Radio One AC (&)  
Dallas: KRBV100.3 NC to 100 kW, 1670', GE  
Follett: K205CW88.9NS-226w(v): KJIL 99.1 KS  
Harker Hts: KYUL 105.5 CC (ex KNRV), FC to  
oldies "Cool 105.5" (Temple)  
Hempstead: KEZB105.3 PG> 9.2 kW, 544 ft, C3  
Hereford: \*NS 103.5 50 kW, 492 ft.  
Hondo: KRBH 98.5 NO-GE  
Howe: KHYI 95.3 PC< 10.5 kW, 512 ft  
XC: 33-23-43 / 96-35-50  
Junction: KAHO 93.5 NO-GX, XG: 30-28-45 /  
99-45-12  
Kilgore: KTPB 88.7 PC> 79.4 kW (v), 63.1 kW  
(h), 551 ft, DA, class C1  
Leakey: \*NS 104.3 1 kW, 594 ft.  
Levelland: \*NS 91.9 AF (AFA)  
Luling: KAMX 94.7 FC to modern AC  
Madisonville: KMVL100.5 NW, ABC a/c (&)  
PC> 13 kW, 449 ft, class C3  
Marshall: KCUL 92.3 PC> 5.8 kW  
Palestine: \*NS 89.1 AF (BBN)  
Pittsburg: KXAL 103.1 PG> 6 kW  
Plainview: KKYN103.9 adds ABC country (&)  
Raymondville: KBIC 106.9 NO-GX  
Refugio: KZTX 106.1 FC to Radio One modern AC  
(&) (Corpus Christi)  
Rudolph: \*NS 90.7 AF  
San Augustine: KCOT 92.5 FC to ABC a/c (&)  
Seabrook: KRTS 92.1 NC to 100 kW, 981 ft, GE  
Snyder: KSNY101.7 OSA to 101.5 - C2, PG> 35  
kW, 587 ft, XG: 32-53-29 / 101-06-29  
Springtown: KMQX89.1 RA with standards // KYQX  
Waco: \*NS 88.9 AF (U of Texas @ Austin)  
Wake Village: \*\*\* 92.5 GA: add class A  
Weatherford: KYQX89.5 RA with adult standards  
Yorktown: \*\*\* 96.3 PA: add class A

**UTAH:**

Richfield: KQYC 93.7 PC> 41 kW, 2883 ft, C  
XC: 38-32-30 / 112-03-31, CC (ex KKWZ)  
Spanish Fork: KBKK106.5 OSA to class C, 46 kW  
2745 ft, XG: 40-16-50 / 111-56-05  
Tooele: K209CJ 89.7 NS-10w: KLVC 88.3 CA

**VERMONT:**

S.Burlington: W247AG 97.3 NS-13w: WXPS 96.7





**VIRGINIA:**

Blacksburg: WVMJ 105.3 adds WW1 a/c (&)  
 Charlottesville: WUMX 107.5 PC< 210w, 1109 ft.  
 Charlottesville: WWWV 97.5 NC to 8.9 kW, 1161', GX  
 Coeburn: WZQK 99.7 NC to 540w, RX  
 Culpeper: WPER 89.9 NO-GE  
 Mt. Jackson: WSIG 96.9 OSA to B1, 25 kW, 239 ft  
 XG: 38-44-44 / 78-45-06

Spotsylvania: WYSK 99.3 PC< 3 kW (c), non-dir.  
 Warrenton: WINX 94.3 PG> 4 kW, 403 ft.  
 Waynesboro: WPVA 90.1 dec. to 964 ft, DA  
 XG: 38-01-37 / 78-52-29

Wise: \*NS 90.5 AF  
 Woodstock: WAZR 93.7 PG< 7.1 kW, 43 ft.

**WASHINGTON:**

Centralia: K201DT88.1 NS-50w: KLVC 88.3 CA  
 Cle Elum: \*\*\* 93.7 GA: add class A  
 Dayton: KZZM102.3 NW, talk, Jones country (&)  
 Elma: KAPV102.1 OSA to class C3, 25 kW,  
 243 ft.

Ephrata: KTAC 93.9 NO-GE  
 Ephrata: KULE 95.9 NC to 92.3 C2, 20 kW, 394 ft.  
 XC: 47-19-13 / 119-34-22

Littell: \*NS 88.9 AF  
 McCleary: KGY 96.9 FC to Real Country (&)  
 Medical Lake: KTSL 101.9 OSA to C2, 28.5 kW, 649  
 XG: 47-42-11 / 117-44-26

Moses Lake: KLWS91.5 NW, news, talk // KWSU 1250  
 Omak: \*NS 104.3 3.5 kW, 981 ft.

Pasco: KEYW 98.3 FC to hot AC (Kennewick)  
 Pasco: KGSG 93.7 LC

St. Maries: \*\*\* 103.5 PA: add class A  
 Seattle: KZOK102.5 NC to 58 kW, 2342', GX  
 Seattle: KNDD107.7 NC to 58 kW, 2342', GE  
 Spokane: KSFC 91.9 PA: from class A to C2  
 Synarep: K236AH95.1 NS-1w: KOMW 92.7 Omak  
 Walla Walla: KWWS89.7NS, news, talk // KWSU 1250  
 Yakima: KYPL 91.1 NO-GE

**WEST VIRGINIA:**

Buckhannon: WBRB 101.3 CC(exWBUC) "The Bear"  
 Fairmont: W209AX89.7 NS-6w: WYFG 89.3 SC  
 Fisher: WQWV103.7 LC  
 Petersburg: \*NS 89.5 NO-GE

**WISCONSIN:**

Brookfield: WFMI 106.9 may drop jazz format soon  
 Dodgeville: WDMP 99.3 PA: to 106.7 - class A  
 Eau Claire: WBIZ 100.7 PC> 100 kW (cir) 482ft  
 XG: 44-55-44 / 91-32-31

Green Bay: WHID 88.1 PG> 18.5 kW, 1014', DA  
 Howard: W220BQ 91.9 NS-38w: KLVC 88.3 CA  
 Kaukauna: WPCCK104.9 FC to country // WPKR 99.5  
 CC (ex WKFX), "Packer 99.5 / 104.9"

Mayville: WMVM98.7 NO-RE  
 Mazomanie: \*\*\* 99.3 PA: add class A  
 Merrill: WMZK104.1 OSA to C2, 24 kW, 617 ft.

Nekoosa: Wxec 93.9 NO-RE  
 Sheboygan: WBCT93.7 CC (ex WWJR), FC to  
 country "B 93.7"

Sheboygan Fls: WWJR 106.5 NW, adult cont. "JR  
 106.5"

Sturtevant: WEXT104.7 CC (ex WZXA), FC to  
 country "Extreme Country 104.7"

Watertown: WJJO 94.1 FC to rock (Madison)  
 20alem: WKBH100.1 PC> 3.6 kW

**WYOMING:**

Diamondville: \*NS105.3 50 kW, 10 ft.  
 Ethete: KWRR 89.5 NO-GE  
 Laramie: KIMX 105.5 PG> 2.2 kW, 1027', class C3  
 Moorcroft: \*\*\* 93.5 PA: add class A

**U.S. TERRITORIES:****PUERTO RICO:**

Culebra: WJVP 89.3 NO-RE  
 Hormigueros: WRRH 106.1 NO-RE  
 Quebradillas: WQQZ 98.3FC to Spanish hits  
 // WMEG 106.9 Guayama  
 San Juan: WIOA 99.9 PG< 32 kW, 1778 ft.  
 XG: 18-16-44/65-51-12  
 San Juan: WZMT 93.7 PG< 32 kW, 1778 ft.  
 XG: 18-16-44 / 65-51-12

**VIRGIN ISLANDS:**

Christiansted: WSTX 100.3 RA with calypso // AM  
 Cruz Bay: WWKS101.3 QC from 92.3, 1227 ft.  
 Frederiksted: \*NS103.5 NO-RX



CANADA

**ALBERTA:**

Grand Prairie: CFGP97.7 PG< 66 kW  
 Lethbridge: CHLB95.5 CC (ex CKRX), FC to  
 country, "Country 95.5 FM"  
 Peace River: \*NS104.3 2 kW relay wanted here  
 of CFGP 97.7

Rocky Mtn House: \*NS 94.5 720 w.

**NEW BRUNSWICK:**

Dalhousie: \*NS 96.7 8w, // CIMS Balmoral  
 St. John: CHSJ 700 QG to 94.1, 50.4 kW

**BRITISH COLUMBIA:**

Horse Creek: \*NS105.9 43w CFMI 101.1 relay  
 wants to move to 104.7 w/ 5 watts  
 Kitwanga: CBUK 94.3 NW, CBC English //  
 CFPR 860 Prince Albert  
 McBride: \*NS 105.1 20w, // CHFI 98.1 ON  
 Prince George: CB??? 73 w, new CBC station  
 Vancouver: CHKG 96.1 CC (NS), to be on the CBUF  
 Mt. Seymour tower, on by early summer  
 Victoria: \*NS ??? new FM to be here, freq.  
 unknown, applicants inc. CBC & CFAX 1220

**ONTARIO:**

Burlington: CING 107.9 PG< 21.6 kW, increase  
 antenna height (Toronto)  
 Newmarket: CKDX 88.5 FC to dance CHR  
 "Power 88.5" (Toronto)

**QUÉBEC:**

Drummondville: CHRD 105.3 QC from 1480, now 3 kW  
 Granby: \*NS 104.9 200 w.  
 Joliette: CJLM 103.5 wants 6 kW  
 Longueuil: CHAA103.3 QC from 103.1, 104 w.

**Québec, CANADA:**

Québec C: CBVE 104.7 wants to move to Mont-Bélair, dec. to 24.9 kW

Québec C: CBV 95.3 wants to move to Mont-Bélair, dec. to 24.9 kW

Sacre-Cœur: \*NS 99.7 24w. to be // CHME 94.9

Tadoussac: \*NS 99.7 9w. to be // CHME 94.9

Trois-Rivières: \*NS89.1 250w. (Univ. of PQ @ T.R.)

Valleyfield: CKOD103.1 QC from 102.9

**SASKATCHEWAN:**

Saskatoon: CHSN102.1 FC to a/c (from hot AC)

Stockholm: \*NS 104.1 new stn wanted, 10 w to relay CHOZ 94.7 St. John's NF

**YUKON:**

Watson Lake: CHWA99.9 wants 102.1, 5 watts

- The FCC surprised several stations this week by cancelling their licenses, claiming they were expired. All stations are on the air. One FM station is affected: WCEF 98.3 in Ripley, WV, which the FCC claims had their license expired October 1, 1981. The affected stations and the FCC are investigating the situation.

- Arbitron announced that they will not produce a Spring 1997 Ratings report for the Grand Forks ND/MN market, because of the severe flooding problems in that city. The next ratings for Grand Forks will be this Autumn. The ratings company also announced plans to donate to a flood relief fund to assist that region.

- Chip Kelley sends in the latest ratings in Dallas/Fort Worth. Top 40 KHKS 106.1 "Kiss" had their best week ever, winning the market with a 6.8 share. Rounding out the top ten: 2. KKDA 104.5 (6.7), 3. KVIL 103.7 (6.0), 4. KSCS 96.3 (5.8), 5. WBAP 820 (4.4), 6. KRLD 1080/KEGL 97.1 (4.0), 8. KLUV 98.7 (3.6), 9. KDMX 102.9/KOAI 107.5 (3.5). Urban AC KRBV 100.3 "V100" fell all the way to 17th with a 2.5 share, probably because of new competition from KRNH 105.7. KRRW 97.9, also with a poor week, at 18th with 2.2, switched to soft AC "B 97.9".

- Eric Bueneman sends in the ratings from St. Louis, taken from the *Post-Dispatch*. KMOX 1120 dominated the market with an 11.2 share. The rest of the top 10: 2. WIL 92.3 (8.6), 3. KMJM 107.7 (7.1), 4. KEZK 102.5 (6.9), 5. KYKY 98.1 (4.9), 6. KPNT 105.7 (4.7), 7. WKXK 106.5 (4.5), 8. KLOU 103.3 (4.3), 9. WALC 104.1/KSHE 94.7/WVRV 101.1 (4.0). WALC switched to modern AC "Alice @ 104.1" in the middle of the week, after starting out as top 40 "Q104".

# Alice@104.1

New Station • New Name • New Sound

- Saul Chernos writes to let us know that only 2 FM stations seem to be carrying the Toronto Blue Jays this season (a lot less than a few years ago): CIMG 94.1 Swift Current, SK, and CJQM 104.3 Sault Ste. Marie, ON.

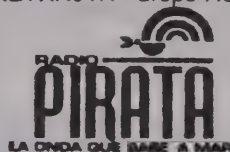
- Doug Smith updates us on some major decisions by the CRTC. The restriction on airing "hit" records on FM in Canada has now been deleted. According to the CRTC, any hit released after 1980 is not considered a "hit". This makes oldies formats taboo on FM, but on the other hand, permits the CHR format. The old restrictions will remain in place on Ottawa/Hull & Montreal, however, because of



MEXICO

**BAJA CALIFORNIA:**

Tijuana: XETRA91.1 drops Howard Stern



XEQOO AM. 1050  
35,000 WATTS DE POTENCIA

XHQOO FM.  
3,000 WATTS DE POTENCIA

concerns about the new rules hurting French language stations (which are required to play at least 65% French language music). Doug also gives us the frequencies for those "March For Jesus" stations granted for May 31, 1997: Calgary 105.9 (15 watts), Winnipeg 103.1 (20w) (doesn't this conflict with an existing station?), Halifax 93.9 (25 watts).

- Doug also provides some additional information on the WLHA 91.5 situation in Madison that was mentioned last month. This station is actually a long-running low-power pirate, that started out as a carrier-current station on 640 AM. Doug pointed out that there is a CP in Madison, WSUM 91.7, that is licensed to the University, not the "Wisconsin Educational Communications Board", which oversees the NPR stations in the state. WSUM may be the attempt to get WLHA on the air legitimately. In the early 1980s, a similar attempt failed (because of key people graduating and/or leaving the area). That group also identified 91.7 as the best possible frequency. Doug wonders if 91.7 could find a site closer to Madison if they ran at a lower power.

- A few additional interesting comments from Doug ... on the Radio Cayman report last month, he suspects "ICC 1" is actually "ICCI", for "International College of the Cayman Islands", as Doug seems to recall an "ICCI Radio" listed for that organization in WRTH in the 1970s. Also, regarding my unID 103.5 "KZ103" heard near Dyersburg, TN (which I suspected could have been new station KZMA Poplar Bluff, MO), Doug points out that WWKZ 103.5 Como, MS uses the "KZ103". I forgot about that one; that is probably what I heard.

- Clear Channel Communications continues to add to its international portfolio by purchasing Radio Bonton, 99.7 in Prague, the capital of the Czech Republic. The station cost them about \$1 million. The company plans to expand further in Eastern Europe. They already have overseas holdings in Australia and New Zealand.

- Two non-commercial stations are on the sale block this month. The University of D.C. is looking to get rid of WDCU 90.1, hopefully by June, and the Flint (MI) Board of Education is unloading WFBE 95.1. Blackburn & Co. is handling both sales. WFBE is also willing to consider an LMA agreement.



# PHOTO-NEWS

Jeff Kruszka, Editor  
5024 S. Braxton Ave.  
Baton Rouge, LA 70817  
JTKruszka@worldnet.att.net

June 1997

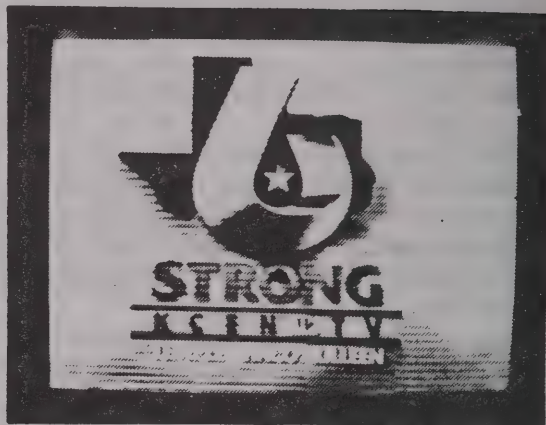
Continuing now with more photos from Danny Oglethorpe, Shreveport, LA.

Theme #1: "MAP ID's"

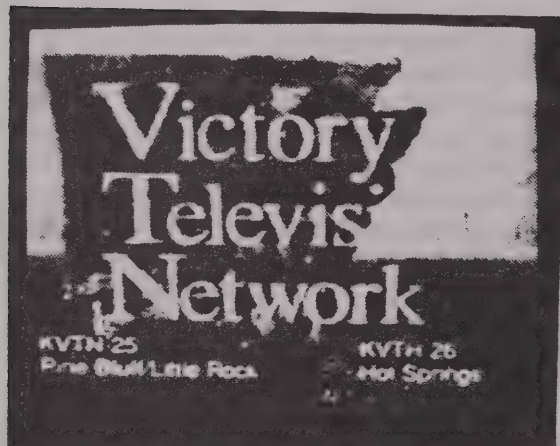


KTEN-10 Ada, OK  
234 mi Tr seen 8/4/96  
@0430 CT

*A very cool logo! One of my favorites. Also nice multi-city ID!*

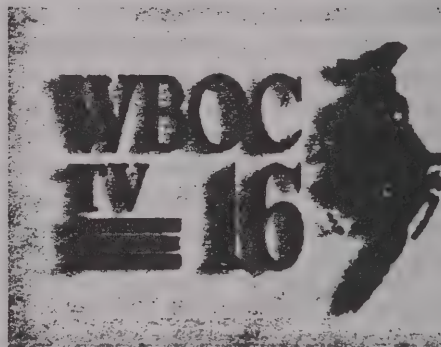


KCEN-6 Temple, TX  
229 mi Tr seen 8/4/96  
@0200 CT



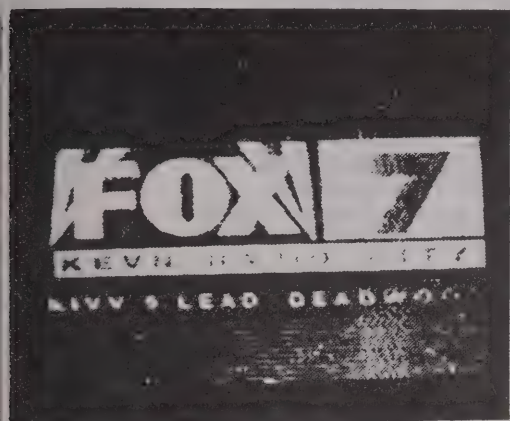
KVTH-26 Hot Springs, AR  
151 mi Tr seen 9/96 in am

From the Web: WBOC-16 Salisbury, MD and  
WTRV-7 Wheeling, WV

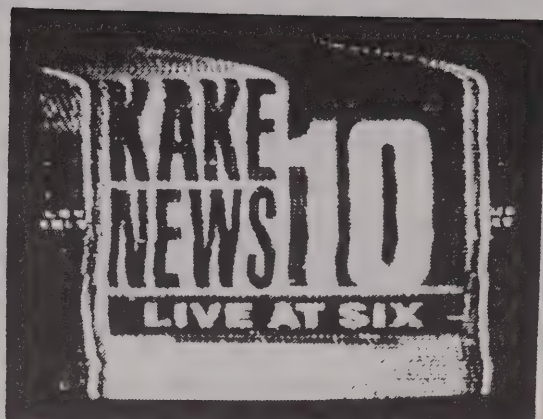


**NewsChannel 7**

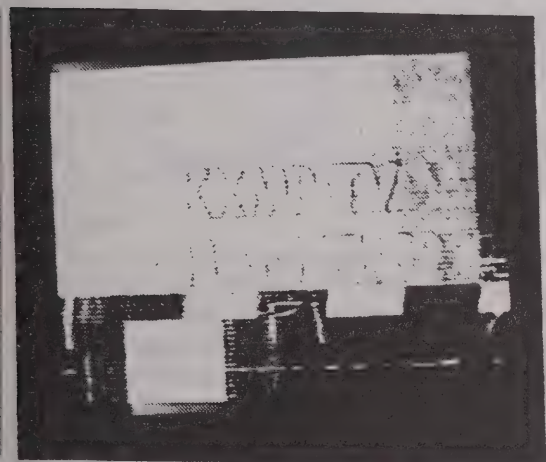
Theme #2: "ID's from other stations"



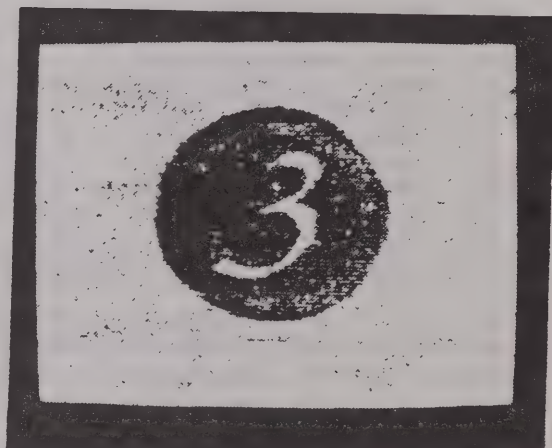
KVVV-5 Lead, SD  
987 mi Es seen 7/25/96  
@1159 CT  
*satellite of KEVN-7*



KLBY-4 Colby, KS  
633 mi Es seen 7/19/96  
@1758 CT  
*satellite of KAKE-10*

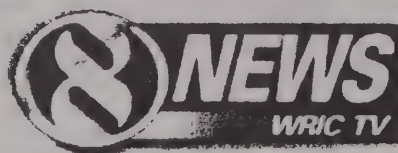


KXMA-2 Dickinson, ND  
1110 mi Es seen 8/7/96  
@0035 CT  
*satellite of KXMB-12*



Unid 2  
Es seen 9/6/96  
@0915 CT  
*with XHQ-3 ID (Cullacan, SI)*

**WAVY TV**



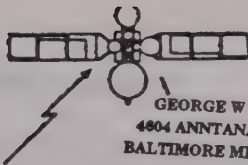
Next month: All 4's for the 4th!

73's,

*Jeff*



# SATELLITE NEWS



GEORGE W JENSEN  
4804 ANNTANA AVENUE  
BALTIMORE MD 21206-4220

Changes continue to occur on some of the previously listed satellite, especially, the ANIKS. I hope to list all of those changes in a near future article.

Now to continue the rundown of what's up there.

DBS 1 at 101.2 W December 1993 8 KuBand transponders  
DBS 2 at 100.8 W June 1995 16 KuBand Transponders  
DBS 2 at 100.7 W August 1994 16 KuBand transponders  
These are Direct Broadcast Digital Compression Satellites - for a specific market - They are generally not available to the usual backyard dish owner  
They have a life of 12 years and transponder powers of 240 Watts. - DBS 1 however has a power level of 120 watts.

The old G-Star 1 that was at 103 West on Ku-Band only is no longer in use.

Spacenet 4 - 101 West - C and Ku-Band - Spring 1991 (10 years)  
FORMAT: - Odds - Horizontal/Evens - Vertical on C-Band  
8.5 and 16 watts on C Band/16 and 30 watts on Ku-Band

## Video Services:-

- 1 -
- 2 - Starz 2 VC2
- 3 -
- 4 - Encore Easterns VC2
- 6 - KNBC - CH 4 - Los Angeles, California NBC VC2
- 7 - Basil Bassett Bingo
- 8 - KOMO - CH 4 - Seattle, Washington ABC VC2
- 10 - FOXNET - VC2
- 11 - Starz - East VC2
- 12 - feeds
- 14 - WWOR - CH 9 - New York City, New York - UPN - VC2
- 16 - National Programming Services
- 18 - Starz - West VC2
- 24 - PKIX - CH 5 - San Francisco, California CBS VC2

Because of a transponder malfunction - there are only rare occasional news feeds and teleconferences on the Ku-Band side.

Galaxy 9 - 99 West - C and Ku-Band - 1992 - 10 years  
Format - Odds - Horizontal/Evens - vertical

## VIDEO SERVICES:

- 1 - SPC Radio Channels
- 2 - feeds - Buena Vista
- 5 - feeds
- 6 - NCN - National Christian Network - Shepherd's Chapel
- 7 - feeds
- 8 - feeds
- 9 - feeds
- 10 - United Paramount Network feeds
- 11 - feeds
- 12 - feeds
- 13 - feeds
- 14 - feeds - sometimes - KWHY - Los Angeles Business News Channel
- 15 - World Harvest Television (WHMB CH 40 - Indianapolis, Indiana and other affiliates)
- 16 - through 20 - Primary CBS feeds in VC1
- 21 - Warner Brothers Television Network and other feeds
- 22 - Paramount feeds
- 23 - feeds
- 24 - CBS feeds - news feed channel

-----continued on page 37→

# NORTHERN FM-DX

GREG CONIGLIO  
90 SLATE CREEK DR. APT #3  
CHEEKTOWAGA, NEW YORK 14227

e-mail: coniglio@localnet.com

For DXers in: MA,NH,VT,CT,MA,RI,NY,PA,NJ,OH,MI,IN,IL,WI,MN,IA,NE,SD,ND,MT,WY,ID, WA,OR,AK,Canada  
JUNE 1997 DEADLINE: The 5th LOG CUTOFF: 3 mos. from postmark

Looks like not much DX activity this spring activity, with Dave Nieman's report being the only one this time around. Haven't heard of a whole lot of FM skip even as of this writing, either (May 14th). Let's hope that things have changed for the better by the time you are reading this! If you do get some good DX, we would look forward to hearing about it in your WTFDA DX column!

## DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

Equipment: Carver TX-11 tuner; IF filter modified. Channel Master model 4408 (Stereo Probe 9) at 60 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz, Belden RG-11/u coax feed.

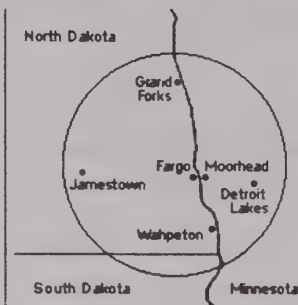
New loggings are underlined. { } note call change.

### APRIL 1997 DX

#### 20 tropo & Meteorscatter

0755 {WVMV} 98.7 MI Detroit, call+"Smooth  
Jazz...V-98.7", j\$, ex. WLLZ 240  
1000 W??? 97.3 ?? ???? ID for "He's Alive  
Radio", g\$  
1329 KDSU 91.9 ND Fargo, call, \$, 'asking for  
volunteers to fill sand bags' 981

Kind of a quiet April, no big tropo or skip openings.



## Southern FM DX

John Zondlo  
4009 Driftwood Circle  
Yukon, OK 73099  
E-mail: Jpzondlo@aol.com  
Deadline: 10th

June 1997

For DXers in: AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK,  
SC, TN, TX, UT and WV

**Greetings!** Pretty quiet around Southern FM DX country so far this season, with only one report in. As Es and tropo get going, drop a line and let us know what you're picking up!

**Doug Smith - W9WI - 1385 Old Clarksville Pike  
Pleasant View, TN 37146-8098 -  
72777.3143@compuserve.com CST**  
Technics ST-G50 tuner, big Radio Shack  
VHF-TV antenna at 15'.

The weather patterns return to normal for Tennessee,  
and so does the DX.

4/20 Gw

1300 WNRZ 91.5 TN Dickson, legal ID, mx parallel to  
WNAZ 89.1 but announcements  
separate 35

4/30 Tr

0850 KVKI 96.5 LA Shreveport, calls 466

I realize it isn't much, but it looks like the Canadian cold  
fronts that have been sweeping through Tennessee  
routinely all winter long (driving off stable high pressure  
areas, preventing tropo, and tragically inundating North  
Dakota) have finally stopped. Also, we've already had an  
Es opening (April 29) though the MUF never got above  
channel 5. 73 Doug

### From the Editor

I also noticed the Es Doug mentioned, but  
couldn't pull any IDs from what I was seeing on  
channels 2 & 3 (I have locals on 4 & 5).

Here are a couple websites you might want to  
check out. First is Robert Kramer's TV DX  
homepage at <http://members.aol.com/RKDX/tvdx-home.html>. Lotsa great pix of what he's  
seen over the years. You'll also find links to his  
excellent MW and LW pages and various other  
DX related pages, including a super search  
engine for the FCC Database.

The second homepage worth checking out is  
one done by Fred Cantu, a news anchor at KVUE  
Austin TX. It has lots of great info on Mexican  
broadcast stations, with links to many  
homepages. It's at <http://www.onr.com/user/fcantu/index.htm>.

See y'all next month! 73 jz



# WESTERN TV-DX

June 1997

Victor Frank  
12450 Skyline Blvd.  
Woodside, CA 94062-4541  
email frank@sneezy.sri.com  
(415)851-7031

Dennis P. Smith, 3703 Dixon St., Santa Barbara, CA  
93105-2419 (805)687-7803

This report is for April 1997. Once again, we had fair tropo with the usual coastal path to San Diego/ Tijuana, channels 6-69, 175-200 miles, on April 11-17, 21-22, and 24-27. As with March, this month's tropo was still only fair because the warm dry air above our occasional cool coastal air layer has still not developed to the hot summer temperature level. On April 21-22, it started to get hot inland (91° F), and therefore a more obvious air boundary started to form, with some tropo-signal improvement, but another weather front blew through with lots of wind (still no more rain), destroying the boundary and the tropo.

Best of DX to All.

Fernando Garcia, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO

1800' ASL, No re-logs in the same month, only tropo over 500 miles.

Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60' with R. Shack amp.

April 6, 1997

CDT

0715	WLAE	32	LA The Rosary, calls	694
0730	KADN	15	LA Mama's Family	586
	WMAH	19	MSMS ETV	77
	KLTL	18	LA LPB	548
	KLPB	24	LA LPB	567
	WGNO	26	LA ABC News	694
	\$ WNOL	38	LA LEAN pay adv.	694
	\$ WUPL	54	LA UPN 54, o/XHV	705
	K30EM	30	LA HTV Exclusive	644
0745	KVHP	29	LA FOX	53
	WHNO	20	LA Religious	688
	WLPB	27	LA LPB	638
	K46CR	46	LA Baton Rouge VJN	645
	K59DG	59	LA New Orleans TBN	688
0800	KLAX	31	LA ID, Rel. program	618
	WCCL	49	LA	688
0815	W36AC	36	MS Religious	71
	KWBJ-LP	39	LA Calls	618
	K62DW	62	LA Cartoons	58
	WVLA	33	LA NBC //KGNS-8	633
0830	WVUE	8	LA Rel. program	693
0900	K49DE	49	LA TBN //KLUJ-44	596
0945	WEIQ	42	AL SAP dif. MAIN	825
	WMPV	21	AL TBN //KLUJ-44	842

1000	WHBR	33	FL CTN	838
	WPML	15	AL Full ID, Pay adv.	838

April 20, 1997

2330	K55HA	55	LA UPN, area advs.	596
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April 21, 1997

2030	WXXV	25	MS FOX	764
2045	K69HD	69	LA UPN	586
	WGMB	44	LA u/KLUJ	633
	K56DR	56	LA Baton Rouge lptv	633
2115	WMAU	17	MS //WMAH-19	597
2130	WPAN	53	FL ID, BLAB Television	86
2200	WDBD	40	MS FOX 40	754
2215	K46DG	46	LA //K69HD	587
	K21DM	21	LA Lafayette VJN	592
	WJTC	44	FL Calls on screen btm	842
2230	W65AS	65	LA INSP	572
	WAPT	16	MS u/KEDT	754
2245	WGBC	30	MS	834

April 22, 1997

0215	WFOA	32	AL Baywatch	928
	\$ WIIQ	41	AL SAP, //WEIQ-42	877
0230	WMAW	14	MS //WMAH-19, WMAU-17	807
	WAFB	9	LA Calls, o/u XERV	638
	WKRG	5	AL Calls, CBS	82
0530	WTXL	27	FL News 27, logo	1031
	WTWC	40	FL NBC News at Sunrise	1031
0630	WFXL	31	GA Spiderman, FOX Kids	1066
0645	WBHS	50	FL HSN	1116
	WTTA	38	FL cci to WNOL	1116
	WVWB	32	FL cci to WLAE	1135

April 29, 1997

2145	KLPA	25	LA //KLTL-18, KLPB-24	61
2200	KETK	56	TX Btm right: 56 NBC	533
	KFXK	51	TX	557
2215	WCFT	33	AL ABC 33-40	924
	WBMG	42	AL CBS news, not KEYE	96
2230	KARD	14	LA FOX	65

April 30, 1997

0000	K52EV	52	LA //KADN-15	574
0015	KDTX	58	TX TBN, hdn north TX	518
	@WABM	68	AL Bars, logo btm right	966
0230	& KFWD	52	TX Test pattern	522
	KHSX	49	TX HSN	518
0245	KDFI	27	TX Thriller, logo	518
	K51EC	51	LA Lake Charles TBN	532
	WHSG	63	GA TBN	111
0300	WFIQ	36	AL SAP, //WIIQ-41	964
	WMCf	45	AL TBN	965
0315	K67GL	67	LA //K52EV, o/KHSH	614
	\$ KALB	5	LA The Leader, NBC	618
	WBRZ	2	LA ABC, strong WVLA-33	636
0330	WLTZ	38	GA NBC, o/u/WNOL	1036
	W58BO	58	MS TBN, hdn 67	
	\$ WMPN	29	MS // WMAH-19	747
0400	WATL	36	GA WB	1104

# Western TV DX *(F. Garcia's report continues)*

@WFLI	53	TN BARS, Good Morning	111
		See you in the Morning	
		WFLI 53 Cleveland	
0415	W64BO	64 NC FOX 21 ID's	1186
	\$ WTTT	21 AL Logo in yellow	96
	WJSU	40 AL ABC, // WCFT-33	1025
0430	WTJP	60 AL Pouring on the Power	998
	& WMDN	24 MS Test pattern	834
	KTXA	21 TX SAP same main, n. TX	518
0445	@WJSP	28 GA BARS, GPTV	1057
0500	WSFA	12 AL NBC, ID	955
0515	WHLT	22 MSCBS, u/local	775
	W47BP	47 MS// WMAH-19, o/K47DF	766
0539	KPLC	7 LA Local WX report	548
0545	KATC	3 LA Local WX report	566
	@KLRT	16 AR BARS	782
	KINZ	68 TX Worship, n. TX	518
	WFBI	50 TN HSN	904
	@KASN	38 AR BARS, BIG 38	772
	WUPA	69 GA UPN 69	11
	WAXC-LP	64AL area advs.	995
		Answering phone calls on the air	
0700	WMAO	23 MS// WMAH-19	788
1915	WFSG	56 FL SAP dif. MAIN	92
1945	WTEV	47 FL UPN 47, area advs.	117
2000	WJEB	59 FL TBN	118
	WJWB	17 FL u/o XHFOX	118
2030	\$ WCOV	20 AL FOX	958
	WPGA	58 GA ABC	1115
	\$ WMG	41 GANBC //WVLA-33	1115
2100	WDCO	29 GA GPTV	1125
	W29BH	29 MSTBN	757
	WTAT	24 SC FOX 24, advs.	1331
	WABW	14 GAGPTV	1048
2115	WAWS	30 FL FOX News, area WX	117
	W63BK	63 FL TBN	856
2130	WRBW	65 FL 65 logo, Team A	1192
	WMFE	24 FL SAP dif. MAIN, educ	1191
	WOFL	35 FL	1191
	WACX	55 FL TBN	118
	\$ WAIQ	26 AL SAP dif. MAIN	95

500+ miles tropo were also noted on the 7, 17 and 24. This month of April is the worst month of April in the last five years due to many cloudy and rainy days over this area and west Gulf coast.

Best day was the last day of the month with up to 9 US states logged. Only one new station: LPTV ch. 64 in Franklin, NC (with WHNS-21), this log was a surprise it's transmitter must be over the high mountains in sw NC.

Please take note of the change of my mailing address.

73's Fernando

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

March 1997					UTC
24 tr	1330	XERV	9 TA		513
	1335	XHAB	7 TA		503
		KAVU	25 TX		314
		XHFOX	17 TA weak		513
Had to leave					
27 tr	1415	WTV	9 MS		319
28 tr	0730	KENS	5 TX		347
	0830	KMOL	4 TX		347
	0900	KLRN	9 TX		347
30 tr	0205	San Antonio 4,5			
April 1997					
2 tr	1330	K30CS	30 TX	KFXK-51 relay	93
3 tr	1245	WGBC	30 MS		296
19 Es	0115	unIDs	2,3,4,5 Mexico XEW, Canal Trece, etc.		
	0134	XHCC	5 COL/JAL		
21 tr	0420	XERV	9 TA		513
22 tr	0205	XERV	9 TA		513
29 Es	1335	CKND2	2 MB	"Kids TV"	1279
	1430	KGFE	2 ND	Prairie PTV	1086
30 tr	0120	XERV	9 TA		513
	0145	KZTV	10 TX		385
	0150	XHAB	7 TA		503
	0215	KRGV	5 TX		501
		KEDT	16 TX		385
		KORO	28 TX	Univision	385
	0218	KGBT	4 TX		491
	0243	KAVU	25 TX		314
	0355	XHFOX	17 TA		513
	0415	KGNS	8 TX		481
	0425	KVEO	23 TX		502
	0447	KNVO	48 TX	Uni.; over KTMD	506
	0450	KLRN	9 TX		347
		KENS	5 TX		347
	0710	WLOX	13 MS		319
		KABB	29 TX		347
	0715	KWEX	41 TX	Uni.	347
	0810	WMAH	19 MS	METV	319
		WMPV	15 AL		355
		WXXV	25 MS	ID bars	309
	0815	WPMI	15 AL		355
	0820	WJTC	44 FL	unID bars	
	0850	KRRT	35 TX		356
	0910	XHFTX	57 TA	ID bars over KVVV	483
	0925	XHLNA	21 TA	"TV Azteca" bars w/music	483
	1010	XHSFT	25 TA	XEW//XERV-9; o/u KAVU	587
	1028	KLUJ	44 TX	TBN	491
	1110	WHOA	32 AL		436
	1112	WGBC	30 MS	24/30 promo	296
	1115	KMOL	4 TX		347
		WCOV	20 AL		436
	1246	KHCE	23 TX	ID bars	347
	1315	KMBH	60 TX	PBS	491

May 1997				UTC
1 Es	1825	unID	2 Mexico; weak	
2 Es	0345	KGFE	2 ND	1086
	0400	KUSD	2 SD w/KGFE	738
		unID	2 CBS	
	0410	KTIV	4 IA	712
	0420	unID	5 "CBC Manitoba" promo	
	0443	unID	5 CBS	
	0505	CKND2	2 MB	1279



# Western TV DX (D.Oglethorpe's report cont'd)

0515 unID 2 Night Court  
 0532 unID 2 CBS  
 0535 unID 2 NBC logo beside 2;  
 may be the Night Court station; s/off  
 1325 WMAR 2 MD 1072

For the record: Panama would have been nice, but my tentative from Panama turned out to be Mexico. Thanks to Doug and Fernando for the information. Also, I listed WCEE-13 to be "MITV." That should have been "INTV." It does look kind of like MITV, however, when the signal is snowy.

Jeff is doing a good job with "Photo News." My wife, Sandra, does my TV photography. I record the DX, review the tapes, and operate the VCR. She snaps the pictures. I would have never attempted this DX photography project without her assistance.

Victor's concern about my interference problems is appreciated.

Jeff Kruszk, 5024 S. Braxton Ave., Baton Rouge, LA 70817

April 1997 CDT  
 21 tr 2054 XHAB 7 TA 505  
 27 MS 1518 unID 2 NBC brief, WBRZ off!  
 29 tr 2123 XHAB 7 TA 505  
 XHFOX 17 TA 535

May 1997  
 2 Es 2235 unID 3,4 weak  
 2301 KOAA 5 CO "5/30" 940

Can you believe that's it for April? A really pathetic season so far. I've noticed recently that my local ch. 52 (K52CQ) is either off the air or running very low power (I have something very faint to the NW). Bring on the E-skip!

Mike Cherry, VE7SKA, Box 631 Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

May 1997 UTC  
 4 MS 1532 KVBC 3 NV 34sec ads 667  
 1612 XHBCt 3 BCN...22 sec  
 9 Es 0000 KCRA 3 CA Sacramento  
 KRON 4 CA San Francisco  
 0023 KEYT 3 CA Santa Barbara  
 0030 KCBS 2 CA Los Angeles  
 0039 XHBC 3 BCN Mexicali  
 0047 KNBC 4 CA Los Angeles  
 0057 KTVK 3 AZ Phoenix  
 0200 KVBC 3 NV Las Vegas  
 KRNv 4 NV Reno  
 0255 KTVU 2 CA Oakland

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, TX 78228-2744 pjdyer3@juno.com

all times are GMT, distances in miles

## Equipment:

Emerson 1987 model 872 VCR used as the tuner ahead of a 9" B&W 1994 Keepsafer CCTV monitor. Archer V-100 and 8-bay bow-tie UHF array at 20' AGL with rotor.

April 1997 UTC  
 18 Es 1640 XHAP 2 GR Acapulco 870  
 22 tr 0359 WMAH 19 MS Biloxi 583  
 0449 XHLAT 33 TA Nuevo Laredo 147  
 1027 KPLC 7 LA Lake Charles 341  
 1037 WXXV 25 MS Gulfport 577  
 1043 WNOL 38 LA New Orleans 520  
 29 Es 1459 WISC 3 WI Madison  
 unIDs 2  
 30 tr 0531 KLTL 18 LA Lake Charles 341  
 0523 WLAE 32 LA New Orleans 520  
 0528 KPLC 7 LA Lake Charles 341  
 0530 WNOL 38 LA New Orleans 520  
 0534 KADN 15 LA Lafayette 387  
 0633 WVLA 33 LA Baton Rouge 442  
 0635 WGNO 26 LA New Orleans 520  
 0657 WVUE 8 LA New Orleans 520  
 0703 KLFY 10 LA Lafayette 377  
 1352 WLAE 32 LA New Orleans 520  
 1355 WAPT 16 MS Jackson 529

May 1997 UTC  
 1 Es 0355 unIDs 2,3 Mexico  
 0402 XHVIZ 3 TAB Villahermosa 870  
 0420 mostly faded out  
 5 tr 1109 XHCJ 4 COA Sabinas Nva. Rosita 200  
 1137 XHOR 14 TA Matamoros 240  
 8 tr 0431 WNOL 38 LA New Orleans 520  
 0448 WGNO 26 LA New Orleans 520  
 0604 WVUE 8 LA New Orleans 520  
 0729 WMAH 19 MS Biloxi 583  
 10 Es 1929 WDIQ 2 AL Dozier  
 11 Es 0152 KCBS 2 CA Los Angeles  
 0200 KTVK 3 AZ Phoenix  
 0222 XHBC 3 BCN Mexicali

A cold frontal passage on April 22 rapidly killed off the strong tropo session by 0800 CST (1400Z). The XHCJ ID was implied by the Azteca 13 ID (in BVI) and 0-beat to our local. The 33 and 14 new ones were the only likely ones for Azteca 13 net on those channels.

KBTX-3 in Bryan one recent morning was noted with its ID imbedded in their VBI! It's perhaps the first US station that I've caught doing it. (XERV-9 in Reynosa had been first seen using a "hidden" VBI ID several years ago.) Now if they all could do so...

Lacking any exact coordinates, some of the Mexico distances are only very approximate.

73, Pat - WA5IYX

# EASTERN TVDX

JUNE 1997

WILLIS MONK - WB5KHD

P.O. BOX 1452

COLLEGE DALE, TN 37315

Some explanations are in order. I am sure that some may be wondering what has happened to their reports. Well, Ye Olde Editor took a job in Odessa, Texas at KOSA-TV and was gone for about 2 months. It unfortunately didn't work out at channel 7, so I am back ready to get under way again, and get caught up to date.

**Doug Smith** 1385 Old Clarksville Pike  
Pleasant View, TN 37146

**EQUIPMENT:** Radio Shack 19" color stereo TV; Archer VU-160 for VHF; RS corner-reflector for UHF, w/ CM- 7475 preamp.

## DECEMBER 1996 DX:

13 Tr	0004	KSHB-41	MO	450
	0843	WLOV-27	MS	212
		ETV 18, 23	MS	
		KARD-14t	LA	
	0853	AR ETV 2, 6, 19 (#1)		
	2334	WICS-20	IL	268
		WLOV-27	MS	212
		WFFT-55	IN	341
		WABM-68	AL	202
		WUPA-69	GA	236
	2359	WHS�-46	MO	232
		WXIN-59	IN	246
14 Tr	0002	WLTZ-38	GA	298
	0007	WCFT-33	AL	202
	0330	unID TBN-33		
	0330	KASN-38	AR	319
	1028	WHNO-20	LA	478
	1030	WGNO-26	LA	472
	1034	WRGT-45	OH	276
	1035	WTTK-29	IN	279
		WLIO-35	OH	340
		WCCL-49	LA	478
		WXIN-59	IN	246

(AT THIS TIME 37 UHF's LOGGED W/  
BOW-TIE LYING ON FLOOR)

14 Tr	1101	WKJG-33	IN	340
	1110	WFYI-20	IN	246
	1112	<b>WPTA-21</b>	IN	340

Doug Smith's report cont.,

	1113	(WNDY)-23	IN	266(4)
		WTTE-28	GA	344
		WKOI-31	KY	101(2)
		WCLJ-42	IN	214
		WKOI-43	IN	253(3)
		WCET-48	OH	234
		WIPB-49	IN	276
		WIIB-63	IN	214
27 Tr	2332	KOZK-21	MO	329
		KDEB-27	MO	329
		KSPR-33	MO	329
		KETK-56	TX	556(5)

28 Tr 0945 VHF STILL WAY UP,  
CHANNEL 2 LOOKED LIKE E-SKIP BUT I  
THINK IT WAS LITTLE ROCK.

## JANUARY 1997:

29 Tr	0110	BIRMINGHAM 10/ 13/ 21/ 42/ 68		
		WJSU-40	AL	200
		WCFT-33	AL	223(6)
		ATLANTA 11/ 46/ 69		235
		WIIQ-41	AL	281(7)
		KASN-38	AR	319
	0748	WEOA-67	IN	113(8)
	0803	KSPR-33	MO	329
		K45CA	MO	151(9)
		W54AE	KY	98
		unID-26 W/RELIGION,		

LOUISVILLE???

## NOTES:

- 1: KETS-2 SEEN THROUGH 27-MILE LOCAL WKRN.
- 2: DESPITE SHORT DISTANCE THIS IS RARELY SEEN.
- 3: HASTINGS VIDEO AD CONFIRMED ON INTERNET AT "www.switchboard.com". DOESNT SEEM TO CARRY THE CONAN O'BRIAN SHOW FROM NBC.

## APRIL 97:

29 Es	1000	KENW-3	NM	956
30 Tr	0828	<b>KSLA-12</b>	LA	466#1
	0836	KETK-56	TX	556
		WCOV-20t	AL	
	0832	WHOA-32	AL	294



Doug Smith's report cont.,

0854 WMAW-14 MS 315#2  
KARD-14 LA 415

NOTES:

#1 DOUG, I'VE BEEN IN THE KSLA STATIONS FOR A JOB INTERVIEW AND BACK IN 1963 I APPEARED ON CHANNEL 12 FOR ABOUT 30 SECONDS.

IT WAS AT THE LOUISIANA STATE FAIR, AND THEY WERE TALKING TO PEOPLE AT THE FAIR.

#2 // 18 AND ARK. 19

-...-

**WILLIS MONK**, WB5KHD BOX 1452  
COLLEGE DALE, TN.

EQUIPMENT:

A LARGE TV BY ZENITH AND A **VERY** OLD TV ANTENNA FROM RADIO SHACK.

MAY 97:

1 Es 0000 KWGN-2 CO  
KCNC-4 CO #1

NOTES:

#1 BOTH WERE COMING IN WITH VERY STRONG SIGNALS WITH THE 10 PM NEWS. THERE WAS A LARGE STORM FRONT FROM KANSAS DOWN THRU EAST TEXAS. IT WAS HERE IN EAST TENNESSEE BY FRIDAY NIGHT AND WE HAD AT LEAST 4 TORNADOES ON THE GROUND IN THE SURROUNDING AREA.

-...-

**TOM BRYANT** 849 TODD PREIS DR.  
NASHVILLE, TN

EQUIPMENT:

VHF-WINEGARD CS-4054 @20';  
UHF-ANTENNACRAFT P-5 PARABOLIC  
W/ANTENNACRAFT PREAMP @ 25'.

APRIL 97:

29 Es 0959 KENW-3 NM 937  
1031 **KSVI-6** MT 1311

NOTES:

ABC ALSO SEEN ON 3// KSVI, WHICH I FIRST THOUGHT WAS KYUS BUT AFTER LEARNING THAT THEY ARE NO LONGER ABC I CONCLUDED THAT IT MUST HAVE BEEN EITHER KOTA OR WSIL. I HOPE THAT THE EARLY START WITH A HEW LOGGING ON THE FIRST DAY --IS A GOOD OMEN OF THINGS TO COME! THANKS TO DOUG SMITH FOR THE PHONE TIP...I WAS SLEEPING AND WOULD HAVE MISSED IT! NEW TOTAL-478.

-...-

**ROY BARSTOW** BOX 2488  
TEATICKET, MASS.

APRIL 97:

2 Gw WLWC-28 MA TESTING NOW OR  
R/S W.B. S/OFF 0000.

3 Tr 1400 WRLH-35 VA  
1410 W36BK VA  
1415 W45BG VA  
4 Tr 0030 WPDE-15 SC  
1130 WWPB-31 MD  
1400 CIVM-17 PQ

CFJP-35 PQ  
CIVC-45 PQ  
CIVO-30 PQ

15 Tr 2300 W18BS VA  
W19BM VA  
W18BB NC  
W36BJ NJ  
W36BK VA

16 Tr 0015 **W24-(WPEN)NC**

W66BZ VA  
W69CV VA  
0030 W41AC VA  
W60AL VA

W56CS VA  
0100 W51BH VA  
W42AJ DC

0340 W40AZ DE  
1430 **W35BH** VA  
2045 W40AH VA

Yes the big boys were also coming in!!  
26 Tr Like the 15th and 16th.

Roy Barstow's report cont.,

2300	WYDO-14	NC
	WUNM-19	NC
	WUNJ-39	NC
	W44AD	VA
2330	W52AB	VA
	W63AM	VA
	W65CP	VA
	W21AQ	VA
27 Tr 0100	WUNK-25	NC
	WUNP-36	NC

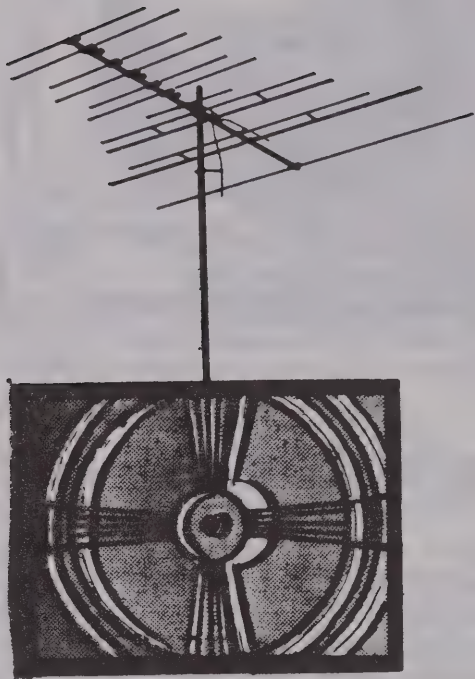
NOTES AND COMMENTS:

Years back, Jeff Kadet mentioned that I did good (DX) with my modest equipment. Seems to me when he moved into Macomb, IL. He didn't think it was going to be a good location, due to the trees and cable leak.

Well, Jeff, you have come a long way!!

Thats it for this month--see you'all next month same time- same station.

73's



**WTFDA E-mail directory** (as of May 12, 1997)  
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Elya, Dennis	MO Jefferson City	delya@telcentral.net
		<a href="http://www.geocities.com/CapeCanaveral/Lab/3426/">http://www.geocities.com/CapeCanaveral/Lab/3426/</a>
Garcia, Fernando	NL Monterrey	fergamex@infosel.net.mx
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Nordquist, Fred	NY Clay	nordquis@juno.com
Sittel, Matthew	NC Asheville	76255.2171@Compuserve.com
Zuk, Karl	NY Croton-on-Hudson	zuk@bestweb.net

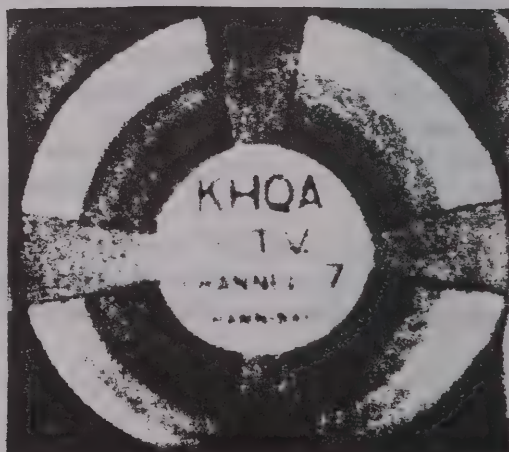
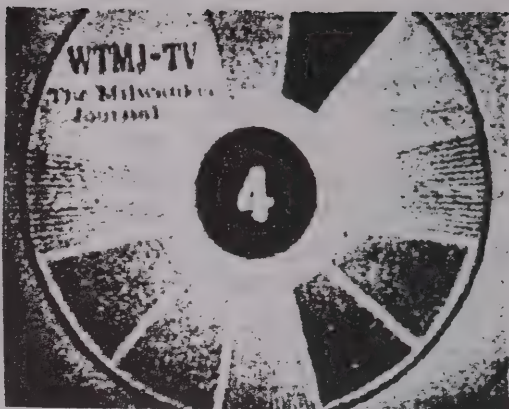
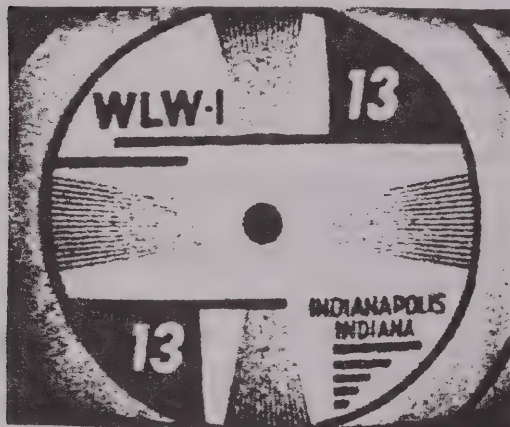
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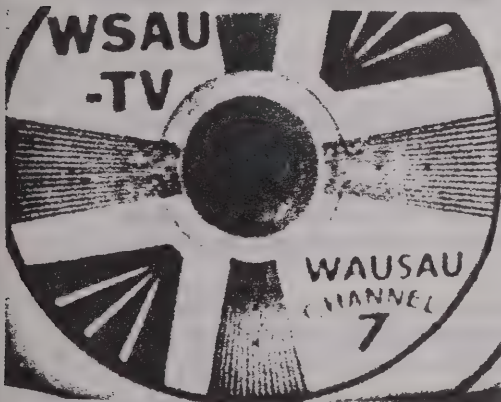
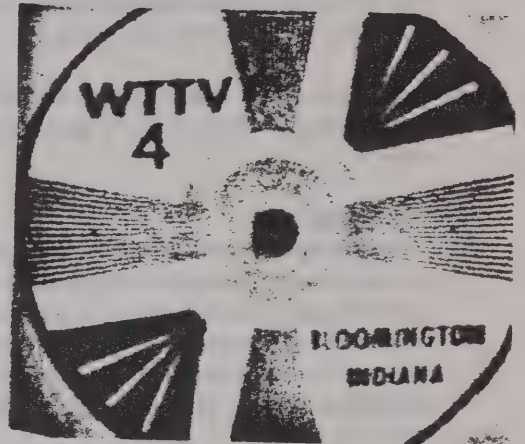
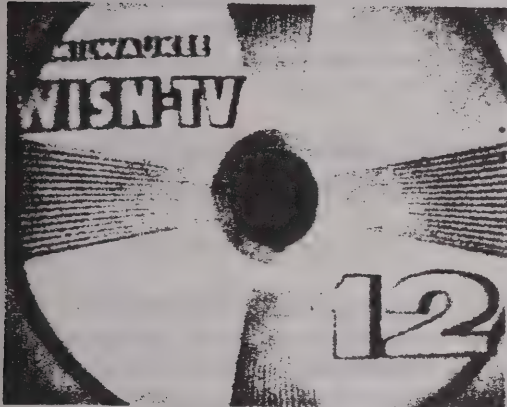
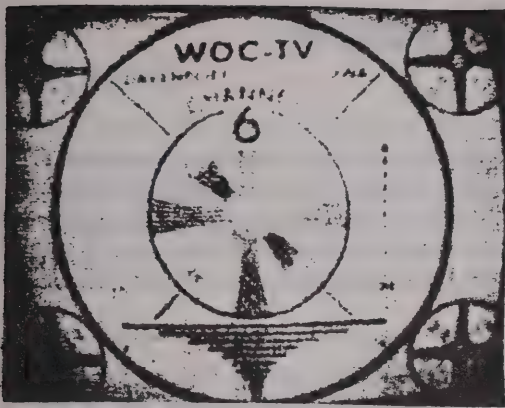




## GONE FOREVER!

Many thanks to Michael Condon of Poynette, WI for sharing some of his test pattern photos taken some 30 years ago. Few of us had good photo gear or much camera pzazz, and poorly centered and badly focused shots were the rule rather than the exception. It would have been nice to have perfect exposures...but anything is better than nothing at all!





I'd also like to personally thank Michael for the use of some software programs which have enabled me to incorporate digitally processed and corrected pictures in this column for the first time. Setting this stuff up is tricky, and I hope the results are pleasing. The addition of a scanner to my personal computer setup will enable me to expand the scope of content for upcoming features. Please be patient if there are flaws. Any new technology requires at least a brief 'shakedown' period. - Tom



# CATCH A WAVE!

by Jim Thomas, wdx0fbu

FM DX audio recently took a new step forward. . . into the world of multimedia. If you consider yourself computer-literate, if you happen to own a computer and have an audio (sound) card or are capable of installing an audio card, then Sound Blaster 16 (SB 16) WaveStudio may be just your ticket to capturing those illusive FM station identifications. On the other hand, if computer-stuff is not your cup of tea, then we presume your tape recorder will continue to be an important asset in your dx shack for getting 'hard copy' of important audio information.

Two years ago I began experimenting with SB 16 and WaveStudio 2.0. I've been FM dxing for over 20 years and up until WaveStudio, documenting was done by logbook and tape recorder. For me, the tape recorder seemed cumbersome, and for that reason, I've missed out on capturing and saving many significant signals. Whenever I submit dx reports to the Southern FM-DX column, I note significant dx that has been recorded with the SB 16 WaveStudio. I recall one time Danny Buntin asked me to explain that terminology to the computer illiterate. Hopefully this article will do that, and also enhance the "fun" computer operators of the club are having.

So, for those that speak 'computerese', you may be chomping at the bit to find out where you sign up for WaveStudio. First, we need to get an overview of WaveStudio and see if it will fit in your computer system.

## The Basics

WaveStudio makes it possible for you to record, play and edit wave forms, a graphic representation of your recorded dx signals. You can cut or copy a segment of a wave form and paste it back into the wave form at a different location - or cut or copy a segment of one wave form and paste into another. Such would be the case if you had just recorded five minutes of dx and one minute was all you wanted to save. You would simply cut and paste the selected 'save' portion and save it under a name, then delete the remaining unwanted portion. This eventually becomes necessary to preserve space on the pc hard drive.

## Sound Basics

This small section may be considered a primer by many, but there are some fundamentals of sound which should be covered. Sound is represented by sine waves. A sine wave displays the frequency and amplitude of the sound. Frequency is the number of vibration cycles per second and determines the pitch or timbre of a sound; the higher the number of cycles, the higher the pitch. Amplitude, represented by the height of the sine wave, determines the volume or loudness of a sound; the greater the height of the sound waves, the louder the sound.

A WaveStudio wave form represents an analog sound as a continuous sine wave, a line. A digitized sine wave is translated to a series of dot patterns that resemble the shape and size of an analog sine wave line. Sampling is the process of converting an analog wave form to a digitized wave form. The sampling rate is the number of times the translator, such as SB 16, looks at a sound to create a digitized sound wave image. For example, recording an FM radio signal ( or any other sound) at 4 kHz creates 4,000 digitized images or samples of the sound wave in one second.

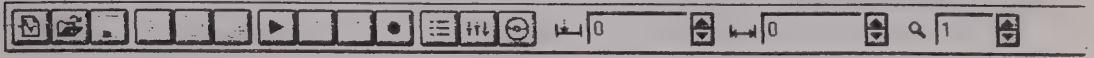
WaveStudio allows you to record at sampling rates of 11 kHz to 44.1 kHz. The sampling rate determines the quality level of the recording. The higher the sampling, the better the sound. For example, CD audio is high quality and has a sampling rate of 44 kHz at 16 bits.

To use WaveStudio effectively, you need to know the amount of memory needed to run WaveStudio, how to manage your files, and how to work with compressed files. WaveStudio requires about 1 MB of memory. The memory requirement increases when you playback and record wave files - sufficient memory is needed for the buffers. Run WaveStudio on at least a 386-based systems with 4 MB of RAM and Windows 3.X.














When you open a file for editing, WaveStudio allocates a certain amount of memory for storing the necessary information and does not load the entire file into memory. The file is edited directly from your PC hard disk - you can edit files as large as your hard disk can hold.

# Toolbar




The Toolbar comprises several buttons and control boxes for file and wave operations.



The buttons on the Toolbar are:

-  Opens a new window containing no wave data.
-  Opens an existing wave file.
-  Saves the active wave file.
-  Cuts the selected data of the wave file.
-  Copies the selected data of the wave file.
-  Pastes cut or copied data onto the wave file.
-  Plays the wave file that is currently active in WaveStudio.
-  Stops the playback of a wave file.
-  Pauses/resumes the playback of a wave file.
-  Records a wave file.
-  Sets the default recording format.
-  Activates Creative Mixer.
-  Activates the CD player. Note that this button will only appear if you have a CD-ROM drive installed.

The control boxes on the Toolbar are:

-  Displays the starting position of the wave data selection. You can specify the position by typing a numerical value in the text box or use the scroll arrows to select the starting position.
-  Displays the size of a the wave data selection. You can type the size in the text box or use the scroll arrows to increase or decrease the size.
-  Displays the zoom ratio of the wave file displayed. You can type the ratio in the text box or use the scroll arrows to increase or decrease the ratio. The smaller the value the larger the magnification.

You can use the above control boxes to select a portion of wave for playback or editing; to select a portion of the wave, specify the starting position and the desired size of the wave data you want to work with and press enter.

You will see the selected portion of the wave data being highlighted in the Edit Window. For more details on selecting wave data, please refer to the section on the Edit Window.

Figure 1. *WaveStudio control menu as displayed on your PC.*

---

## File management

When you record your dx wave data, WaveStudio will store recorded data directly to the hard disk. High resolution recording of data, particularly 16-bit data at 44 kHz, would take longer to write to your disk if it is not optimized for speed.

You can reduce the amount of time your system spends reading and writing data by compacting your hard disk using a disk-compacting utility such as DEFRAG and installing a hard drive cache such as SMARTDrive.



### Compressed Wave Files

To work effectively with compressed files, you need to know how compressed files are saved, opened, and edited. In WaveStudio, a basic wave file in a saved, unedited form is shown as a .pcm format. Also, you will need to record your audio sampling as a 16-bit file. Compression is not available for 8-bit files. Once you have edited your file, you can save it as a compressed file, showing that it has an .adpcm extension.

WaveStudio currently supports five compression formats: Microsoft ADPCM, CCITT A-law, CCITT u-law, IMA/DVI ADPCM, and Creative ADPCM.

When you open a compressed wave file, WaveStudio decompresses the file before displaying it. The file must reside on a drive that has sufficient disk space to accommodate the uncompressed data.

The amount of space required depends on the compression format adopted. For CCITT A-law and u-law, the compression ratio is 1:2 (compressed:uncompressed). For ADPCM, the ratio is 1:4. For example, if you are working with a 1 MB ADPCM file, you need to have a least 4 MB of free disk space.

### Putting It All Together

Acknowledging that you have loaded the WaveStudio software into your pc, you are ready to run with your new found toy and begin digitally logging all of your significant dx.....*OR ARE YOU??* Let's go back to your tuner or receiver and run the loop. Incidentally, if you use a tuner, a 'hi-fi' amplifier is not necessary, as your pc audio card replaces that piece of equipment - your pc becomes your amplifier. That leads you to understand that you will need volume-adjustable external pc speakers. Of course, Sherlock, may we proceed please. So, you run speaker cable from the speaker or output connections from your radio to your pc. In most cases, your pc connection will require a common single stereo connector. This is the type of plug you find on most headphone sets today and are available at radio and electronic stores. To make the connection from the speaker cable to the single stereo connector, you will need to insert a y-connector, which will join the two pieces together. You're now connected to your pc source. From here, we locate our WaveStudio icon in the Sound Blaster 16 directory, double click the mouse (left button) on the WaveStudio icon to open the program application. You'll view on the monitor what is representative of the toolbar. (see Figure 1)

Below the title bar and the drop-down categories, you will see the WaveStudio toolbar. Reading from left to right, you see **pads** (push buttons) for New, Open, Save, Cut, Copy, Paste, Play, Stop, Pause, Record, Format, Mixer, CD. To the right are position indicators for Start, Size, and Zoom.

At this point the chase is on. Your tuner is on - with your cursor arrow, you push the Mixer pad - adjust volume and tone quality - then close mixer. Then you push the Record pad and it opens the right channel/left channel view screen. At this point you are still not recording. To activate Record, you push the Start pad on the Record screen. Logically then, to top the Record session, you will push the Stop pad. At this point, you will view on-screen the digitized sine wave of the recording session which just took place. This particular session is ready for editing, cutting and copying to another location, and/or saving with compression to your hard disk. (see Figure 2)

If you're into a heated dx session - say you're into some really good tropo or there's a major E-skip opening in progress - there is a good possibility you don't want to keep starting RECORD and STOP for each station. Just like a tape recorder, you push the START pad in the Record mode. At this point, you ARE RECORDING. Immediately push the PAUSE pad. SoundWave is now waiting to record. All that is required is pushing the Pause pad. After this recording session, you will go back and edit. You will also delete any unnecessary information. Also, if you have several stations together in one recording session, you may want to CUT and COPY each station to its own file. What a concept in capturing significant dx audio.

The Beach Boys sang, "Catch a wave and you'll be on top of the world...."

If you're into computers, this year you may want to catch your own wave with the WaveStudio.

*(For more information, contact Creative Labs, 1901 McCarthy Blvd., Milpitas, CA 95035)*

## Edit Window

The Edit Window is the area where the content of a wave file is displayed. You can open several Edit Windows at a time and display them in a cascaded, vertically tiled, or horizontally tiled fashion. You can also minimize them to icons.



With different wave files displayed in different Edit Windows, you can perform editing functions like cut, copy, and paste from one wave file to another easily and quickly.

For a better view of data displayed in the Edit Window, use the horizontal scroll bar to select data for viewing and use the vertical scroll or the zoom control in the Toolbar to zoom into (or out of) the data.

To select a portion of the wave data for editing, hold down the left mouse button anywhere on the Edit Window and drag the mouse. Once the desired portion of the wave data has been selected, release the left mouse button. The selected area will be highlighted. To select the entire wave, double-click the wave display in the Edit Window.

### Hint

If you want to select data from a specific position back to the beginning of the data, hold down the left mouse button at the specific position and drag the mouse (upwards) above the Edit Window.

If you want to select data from a specific position to the end of the data, hold down the left mouse button at the specific position and drag the mouse (downwards) below the horizontal scroll bar of the Edit Window.

### Note

When you click the right mouse button on the Edit Window, a menu of commands will display allowing you to perform various functions.

### See Also

Figure 2. *The Edit Window - note the analog waveform display!*



.....continued from PAGE 24

On the Ku side of Galaxy 4 - there are many news feeds and teleconferences. You will also find the following regular users:

- 9H - Chinese News Channel - Taipei, Taiwan
- 23H - TVB - Jade - Hong Kong, China - American Version L
- 27H - Chinese Channel - Peiking, China - from Los Angeles
- 31H - The Filipino Channel - Manilla, The Phillipines
- (ABC/CBN Broadcasting Corporation DWWX - CH 2 -

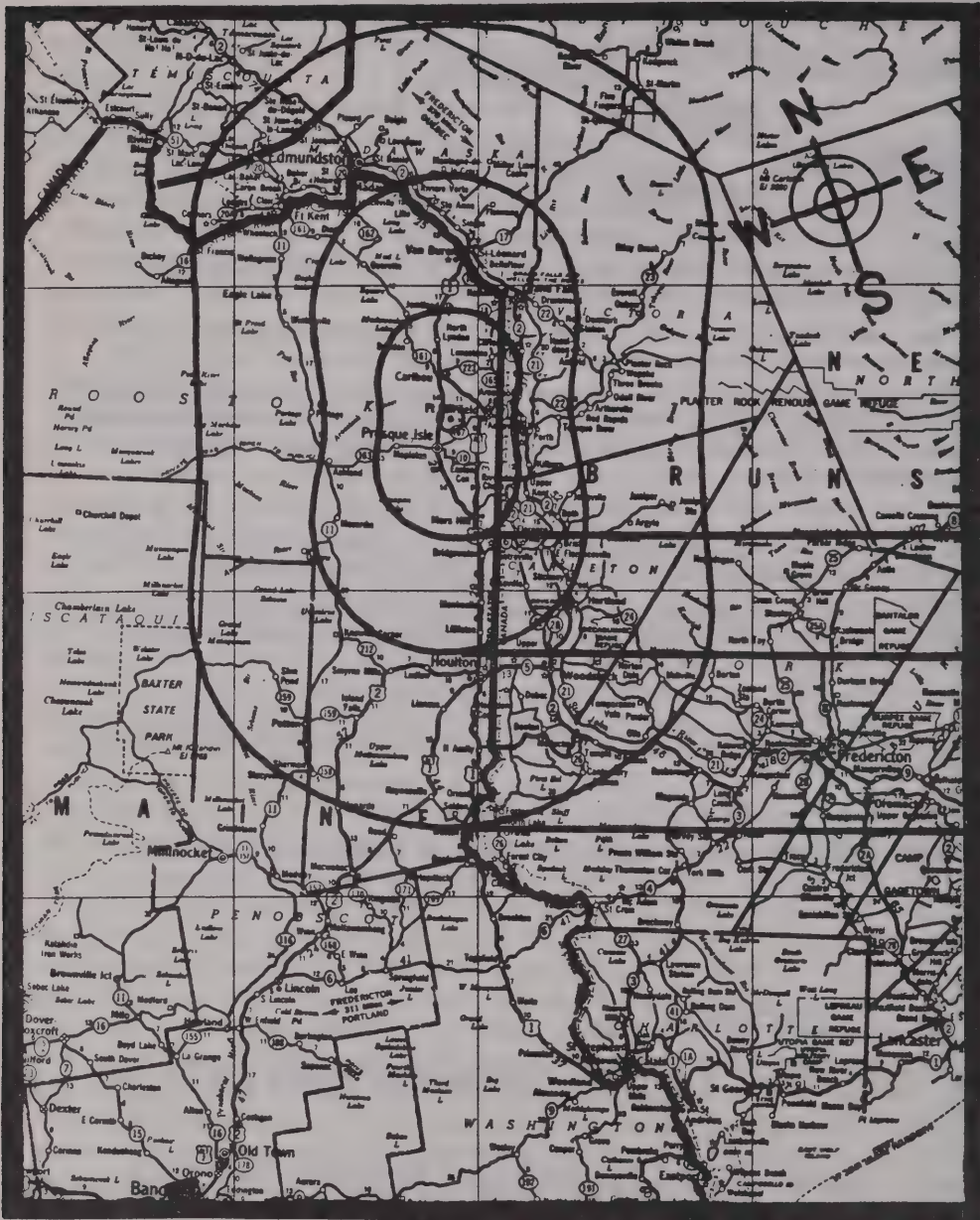
That's all for this time - see you in 30.

*Dave*



# COVERAGE MAP CLASSICS

courtesy EASTERN TVDX editor Willis Monk...



Translator Sta  
W11 AA  
Channel 1  
Madawaska-  
Edmun

WAGM-TV  
GRAD  
A  
GRAD  
B  
35 M

ONE OF THE  
HILDRETH NETWORK STATIONS  
SERVING ALL OF MAINE

POPULATION COVERED BY WAGM-TV

AROOSTOOK COUNTY 126,110

NEW BRUNSWICK 50,000

WAGM TELEVISION IS A CBS — ABC — NBC AFFILIATE

WAGM-TV

CHANNEL 8 — PRESQUE ISLE, MAINE

COMPUTED GRADE A, B, AND 35 M  
CONTOURS

60 kw E.R.P. DIRECTIONAL

355 FT.

FEBRUARY, 1962



## 39



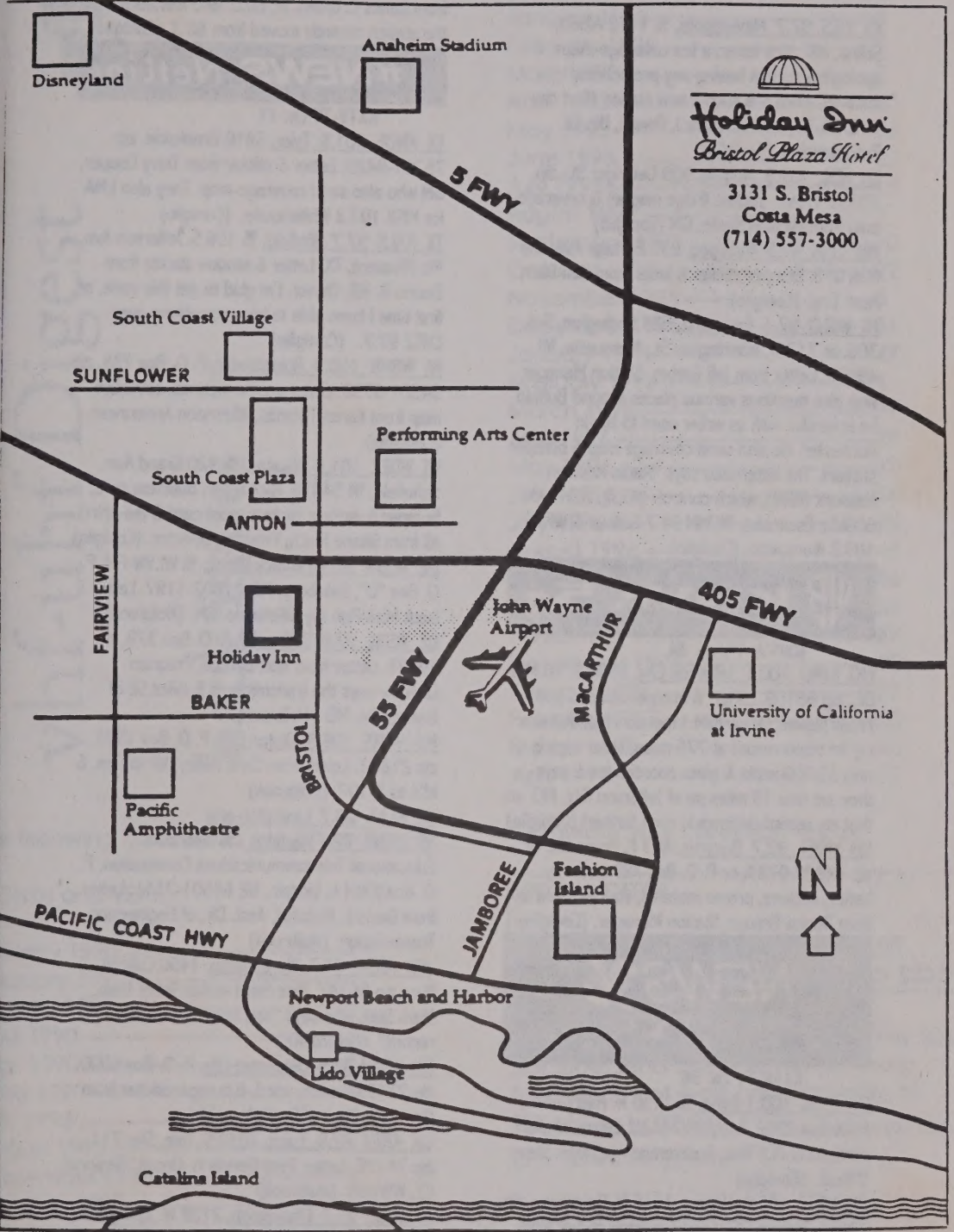
# ATTENTION AM BROADCAST BAND DXERS:



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- DATES:** JULY 25, 26, 27
- PRICE:** \$35.00 [REGISTRATION FEE \$15.00, BANQUET \$20.00]
- LOCATION:** HOLIDAY INN BRISTOL PLAZA, COSTA MESA CA.
- HOST:** MIKE SANBURN (310) 614-1444 (NIGHTS)  
P.O. BOX 1256 BELLFLOWER, CA. 90707
- HOTEL INFO:** Holiday Inn is located right on the southbound Bristol off ramp of the 405 San Diego Freeway. The location is 2 miles from John Wayne Orange County Airport. The phone number is (714) 557-3000. Fax at (714) 957-8185. The mailing address is 3131 South Bristol, Costa Mesa, Ca. 92626  
Visa-Mastercard-Discover-American Express-Diners Club
- ROOM RATES:** \$60.00 per night, per room [not per person]. Guests are encouraged to double up and save. Rooms include 1 <sup>QUEEN</sup> king and sofa bed, or 2 queens. MENTION CONVENTION RATE!!!
- STORES/ RESTAURANTS:** South Coast Plaza, one of the worlds largest shopping malls is located directly across the freeway from the hotel. There are many dining establishments nearby, including the hotel bar & grill with "Happy Hour", and a brand new McDonalds in the parking lot.
- TRANSPORTATION:** Hotel shuttle from Orange County Airport is FREE! Amtrak and Greyhound have terminals in Anaheim, Ca. Super-Shuttle van service: (714) 517-6600. Orange County Transit Authority (city bus): (714) 636-RIDE. Hotel parking is FREE.
- AIRLINES:** LONG BEACH: AMERICAN WEST, SUNJET  
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Delta, Northwest, Reno Air, Southwest, TWA, United, US Air.  
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.....BE THERE....







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